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Holco

QUALITY

SEED 1919 BOOK

RECEIVED
AUG 20 1919

HOLCO, OHIO.
YELLOW GLOBE
ONION



SURE-CROP
STRINGLESS
WAX BEANS



LITTLE
MARVEL
PEA



GARLAND
TOMATO

The
Holmes-Letherman
Seed Company

CANTON - OHIO

TO HOLCO CUSTOMERS

The importance of getting full value for the effort expended was brought home to all Gardeners the past season.

"HOLCO SEEDS YIELD BETTER," that is why growers using Holco seeds are sure of getting more for their time and money.

WE DELIVER FREE (only as mentioned herein) by Express or Parcel Post. to any Freight Station, Express Office or Post Office in U. S. and possessions.

VEGETABLE SEEDS AND FLOWER SEEDS quoted in this catalogue by the packet, ounce, quarter-pound, pound and five pounds.

CUSTOMER PAYS TRANSPORTATION on all larger quantities of Seeds, Bulbs, Plants, Shrubs, Potatoes, Onion Sets, Farm Seeds, Grass Seeds, Implements and Sundries, except where specified.

ORDER EARLY

Seed Crops in some lines are short on account of unfavorable growing conditions in many sections. Seeds which have come from Europe have been almost entirely taken from our Market.

We have a large supply of everything listed, but it would be advisable for customers to order early. How long the food shortage will continue after the war, no one knows.

We further urge the production of food for economic, as well as patriotic reasons and suggest that you plant every space available with Pure-Bred Seeds only.

"Holco Seeds" will yield better, both in quantity and quality. Why not plant the best?

HOW TO ORDER. Please be careful to **SIGN YOUR NAME, POSTOFFICE, COUNTY, AND STATE** on each and every letter or order sent us. Cash should accompany the order.

You may remit at our risk, either by postoffice order, bank draft, express order, or cash by registered letter. We take postage stamps the same as cash.

We make no Charge for Packing or Boxes.

YOU RUN NO RISK in sending cash with order. Our financial responsibility can be learned from any bank, trust company, or merchant who subscribes to either of the Commercial Agency Reports.

WE GUARANTEE safe delivery on all goods, whether sent by mail, express or freight.

SHIPPING FACILITIES OF CANTON. The Pennsylvania R. R., B. & O. R. R., Wheeling & Lake Erie R. R., express service of the Adams, Wells-Fargo, Electric Package and American Express Companies offer quick transportation to any part of the United States.

PRICES. The prices quoted in this catalogue are net. All prices quoted in this catalogue are subject to change without notice.

FARM SEED PRICES subject to market changes. Before buying, ask for our current Price List.

PARCEL POST. Customers living on R. F. D. routes, and beyond express delivery, will aid us by stating:

"Goods reach us by Parcel Post only,"
to avoid mistakes in sending by express.

CENTRAL SYSTEM. We have, for the convenience of our customers as well as ourselves, discontinued the use of the terms bushel, peck, quart and pint and now quote all seed listed in our catalogue by weight.

The new method is exact, accurate and fair to all, permits of quicker, more accurate parcel post rating.

CONDITIONS OF SALE. Seeds of best quality will sometimes fail through improper treatment. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, too cold weather or a baking sun which forms a crust too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our hands; neither can we fully control anywhere at any time the weather conditions as it affects seeds, therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.

We send out only seed which we believe will grow and produce the kind of plant, and variety represented.

THE HOLMES-LEATHERMAN SEED COMPANY,

H. L. HOLMES, Jr., General Mgr.

"HOLCO" COVER VEGETABLE COLLECTION FOR 25 CENTS

Every garden, large or small, should be planted with these four distinct varieties. They are of exceptional value, no one can afford to leave them out of their garden for 1919.

These varieties purchased separately would cost 45 cts.

Mailed to your address, postpaid, for 25 cts.

1 pkt. Beans, Sure Crop Stringless Wax
1 pkt. Onions, Holco Ohio Yellow Globe

1 pkt. Peas, Little Marvel
1 pkt. Tomato, Garland

ORDER FOR Seeds, Bulbs and Plants

The Holmes-Letherman Seed Co.

Office and Retail Store
222-224 N. Cleveland Ave.

Canton, Ohio

Date.....191.....

Name _____
Ladies will please put the prefix Miss or Mrs.

Street Address }
Box Number }
R. D. }

Post Office

County..... State

Express Office (if different
from P. O.)

Please forward Goods by
State whether by **Mail, Express** (and company), **Freight** and Route

DO NOT WRITE IN THESE SPACES

Order No.

Date Rec'd.....

Date Shipped.....

Shipped via.....

Postage

Filled by.....

Checked by

Bags.....Boxes.....Pkgs.....

AMOUNT ENCLOSED

Money Order \$.....

Postage Stamps \$.....

Check - - - \$.....

Cash - - - \$.....

We Deliver Free

{ All Seeds ordered by the packet, ounce, $\frac{1}{4}$ pound, $\frac{1}{2}$ pound, pound and five pounds. On larger quantities the customer pays for transportation. See inside of Front Cover.

[illegible]

The Holmes-Letherman Seed Co., give no warranty, express or implied, as to description, quality, productiveness, or other matter of any seeds, bulbs, plants or trees they send out, and will in no way be responsible for the crop. If the purchaser does not accept seeds on these terms, they are to be returned at once.



Special Notice : We shall esteem it a great favor if you will give us below, the NAMES and ADDRESSES of any of your friends that are interested in gardening. We wish to send them our Catalogue.

PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS ON OTHER SIDE

"EVERY HOME ITS VEGETABLE GARDEN"

No vegetables ever come to a table at home like those gathered fresh from the home garden.

VEGETABLE SEEDS

Gardening is a patriotic work which will result in both pleasure and profit. It gives pleasure, not only in the work with the growing plants, but in the producing of high-quality, crisp, fresh vegetables for the family table.

It gives profit by producing the vegetables cheaper than they can be purchased and by reducing the need for more expensive foods.

Gardening is profitable also because better health is secured by the exercise in the open air and the use of more vegetables in the diet.

Gardening should be an important part of the city and suburban life because of the interest it adds to the lives of people little used to country surroundings. It is interesting to the young, old, women and girls, as well as the men and boys.

There is no better way to keep the boys off the streets and out of mischief than to give them a plot of ground on which they can make a garden, and the results to be their very own.

"HOLCO" \$1.00 VEGETABLE COLLECTION

This collection will give you seeds to start your spring sowing and furnish vegetables during the summer. It is our idea of giving our customers the benefit of our experience.

Complete with leaflet on vegetable gardening.

BEANS	CUCUMBER	RADISH
Stringless Green-Pod	Klondyke	Vick's Scarlet Globe
Fordhook Bush Lima	LETTUCE	PARSNIP
Sure-Crop Stringless Wax	Prizehead	Hollow Crown
BEET	Big Boston	PEAS
Detroit Dark Red	ONION	Potlatch
Crosby Egyptian	Yellow Globe Danvers	SWISS CHARD
CABBAGE	PARSLEY	Lucullas
Early Spring	Moss Curled	TOMATO
CARROT		Chalk's Early Jewel
Danver's		

"HOLCO HOME GARDEN" COLLECTION \$2.00

The "Holco Home Garden" collection is given you so that you may have a bountiful garden. We will send complete, with leaflet on vegetable garden, postpaid for \$2.00.

BUSH BEANS	CUCUMBER	PEAS
Stringless Green-Pod	Arlington White Spine	Potlatch
Improved Golden Wax	Boston Pickle	RADISH
POLE BEANS	KOHL-RABI	Sparkler
Holmes' Green Prolific Lima	Purple Vienna	Icicle
Kentucky Wonder	LETTUCE	SALSIFY
BEET	Curled Simpson	SPINACH
Crosby Egyptian	May King	Victoria
Fireball	All Seasons	SQUASH
CABBAGE	MUSKMELON	Crookneck
Allhead Early	ONION	SWISS CHARD
Surehead Late	Silverskin	TOMATO
CARROT	Yellow Globe	Bonny Best
Chatenay	PARSNIP	TURNIP
Oxheart	Guernsey	Purple Top
CORN		
Howling Mob		

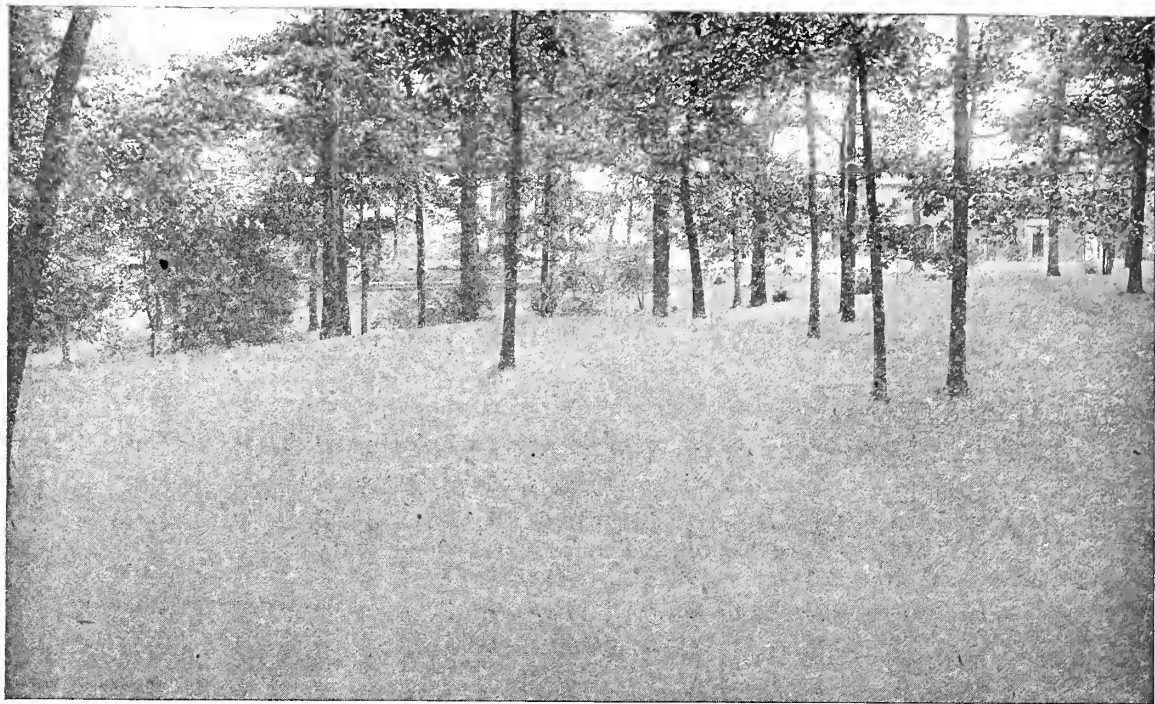
Sent to you postpaid for \$2.00.

SIX "HOLCO" SUPERB SPENCER SWEET PEAS FOR 25c

The finest collection of six magnificent Spencers, including up-to-date varieties. We will send one full size packet each of six named, with our leaflet on Sweet Pea Culture, for 25 cts.

Illuminator	Hercules	Fiery Cross
Florence Morse Spencer	King White	Wedgwood

We who love gardens have reason to be thankful. Gardening is relaxation.



In the grove of the H. H. Timken estate. The lawn was sown with "Holco Velvet Green" Lawn Seed and shows the remarkable turf which the seed has produced.



"Velvet Green" Lawn Seed

ich will produce a perfect turf of deep, green, velvety sward, free from clumps, in from 4 to 6 weeks' time. This is a LAWN GRASS SEED MIXTURE wh

The "Velvet Green" Lawn Grass Seed is an intelligently arranged combination of fine-leaved, dwarf grasses, which will stand wear and tear, outlive the winter, retaining at all times its lustrous green color. It is possible to make an enduring lawn by sowing seeds of a single variety, which will only grow for a portion of the year. Kentucky Grass, for instance, which is sometimes recommended for lawns, grows but sparsely during midsummer, is slow to form a close sward, requiring 2 years, and loses color in hot weather.

The question of good lawns is not only the question of sowing the very best grass seed, but you must have the correct grasses assembled to produce a good permanent and fine textured lawn.

In order to develop these grasses you must if you want to get the full value of your labor and the seed, make soil conditions that will favor these developments (train your grasses as it were).

If it is a question of simply having green growth of grass, lime and fertilize your surface soil and any mixture, no matter how cheap will have one or two varieties that will exist but they usually are the commonest kind of grasses, fast growers possibly some clover but the fine bladed grasses, such as should be in your lawn will give way under adverse conditions.

Therefore it pays to make your soil suitable for the grasses you want to develop, and the very best grasses do not require an over fertilized soil but they must have a fine texture and granular soil, such as fine sand. Pulverized sheep manure or rotten manure worked into a clay soil, will take care of them, then roll with care. On a sand or sandy loam, lime humus, and plenty of sheep manure to build a body in the soil will be all that is required.

The "VELVET GREEN" LAWN GRASS SEED is composed entirely of the best re-cleaned seeds. It is free from chaff and weighs 22 to 25 pounds per measure bushel.

WHITE CLOVER is included in "HOLCO" VELVET GREEN LAWN GRASS, but only sufficiently to help thicken the bottom of the sod.

Price—lb. 40 cts., 5 lbs. \$1.85, 10 lbs., \$3.50, 100 lbs. \$32.00; (25 lbs. or more supplied at 100 lb. price.)

Quantities of Seed to Use.

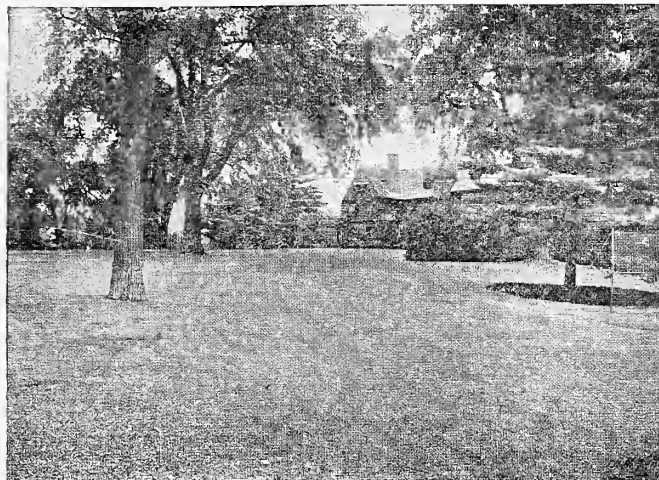
25 lbs. for one-fourth acre_	1 lb. for	300 sq. ft.
50 lbs. for one-half acre_	5 lbs. for	1,500 sq. ft.
100 lbs. for one acre_	10 lbs. for	3,000 sq. ft.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

Cultural leaflet—"How To Make a Lawn" Free with order when asked for.



Shaded Lawn Grass Seeds



Shaded locations, produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions, have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this, apply lawn lime at the rate of 50 lbs. to 200 square ft. lawn. Lime can be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. This mixture weighs 22 to 25 lbs. per bushel, and will prove to be a remarkable success. Price, lb. 40 cts., 5 lbs. \$1.85, 10 lbs. \$3.50, 100 lbs. \$32.00; (25 lbs. or more supplied at 100 lb. price).

"Holco" Terrace or Embankment Lawn Grass Seed

This is a special blend of grasses. Especially suited for sowing on terraces, embankments and hillsides. Grasses that produce long, strong, fine-leaved, deep rooting, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure and at the same time produce a green, velvety turf throughout the season. There need be no fear of introducing coarse grasses into your lawn by sowing this mixture, for, though strong-rooted, the grasses are fine-leaved. Price, lb., 40 cts., 5 lbs., \$1.85; 10 lbs., \$3.50; 100 lbs., \$32.00; (25 lbs. or more supplied at 100 lb. price).

Charles Chader, Mgr. H. H. Timken Farms.—"It gives me great pleasure to inform you of the good results I have had with your Lawn Grass Seed. I used it extensively this past spring at places where there was difficulty in getting good lawns, and where the successful results from your seeds have best evidence of the high quality, purity and permanence of your Lawn Grasses. Your mixtures, I consider especially valuable."

Flower gardening is just as necessary in these reconstruction times as vegetable gardening.

Flowers are food for the soul, stabilizers of the emotions. More than ever do we need these things now—these signs of the Maker's goodness and love.

Was there ever a time when cheerfulness was more needed than in these days when so much is happening to unsettle our thoughts?

Grow flowers! Grow more flowers!

KENTUCKY BLUE GRASS

This is rated as the finest permanent pasture grass. Is used in lawn mixture. Especially suited to meadows and rich lands. It is the grass of the famous and fertile limestone soils of Kentucky, and is no less a favorite all through the northern states. Lb. 35 cts., 5 lbs. \$1.65; 10 lbs. \$3.25.

WHITE CLOVER

The best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seed for pasture. Sow in spring at the rate of six pounds to the acre when sown alone; half the quantity when sown with other grasses. ½ lb. 40 cts., lb. 75 cts.

"HOLCO" PERMANENT GRASS MIXTURE FOR PERMANENT PASTURE AND HAY

Sow 50 to 75 pounds to the acre, or half this amount in established pasture.

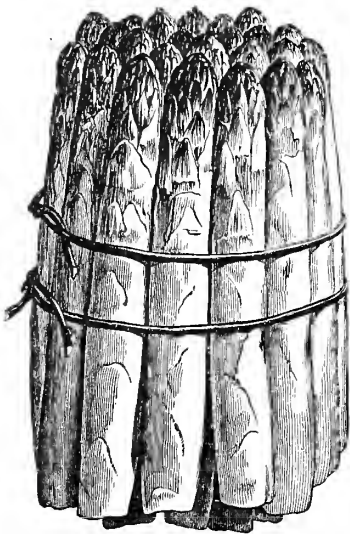
This is becoming more generally used each season by progressive and successful farmers who desire an abundance of hay and permanent pasturage. This mixture is made up of the Grasses best calculated to afford an abundant and nutritious food-supply for stock, and its formula is based upon years of successful experience. It thrives well on all soils and is not seriously affected by the different climatic conditions. Will outyield timothy and will thrive in soils where the latter fails. Not only does it produce an abundance of hay, but will give an excellent pasturage after it has been cut. In many places it will produce two crops a season, whereas from timothy alone you can cut but one. If your fields are old and worn out, it will pay you to plow up and seed again, when you will soon be cutting heavy crops from our Permanent Pasture Mixture. In ordering, state whether for light or heavy soil. Should you desire a Special Mixture for renewing old pastures, etc., write us and we will give information. Lb. 30 cts., 10 lbs. \$2.75; 100 lbs. \$25.00, (25 lbs. or more supplied at 100 lb. price).

For other "Grasses" see page 55.

Sheep Manure Lawn Fertilizer produces a permanent lawn of rich, luxuriant green. (See page 94).

ASPARAGUS

Can be started by sowing the seeds or set out roots. Well rotted manure in large quantities should be dug into the soil. Heavy clay soils should be made more friable by adding sand, sifted ashes, or lime. Seeds are sown as early in the spring as garden can be made, in rows two and a half to three feet apart, dropping one seed to every half inch and covering them about one-half inch. Seedlings generally appear in about three weeks. When six inches tall, they should be thinned out to stand six inches apart in the row. Four rows, each fifty feet long, will provide a fair supply of stalks for the average family. It requires about four ounces of seed or 200 plants to secure a bed of that kind.



PALMETTO ASPARAGUS

ASPARAGUS ROOTS.

Supplied after April 1st. About 4,000 plants to an acre. Tied in bunches of 50 each

	2-Year Old	Doz.	100	1000
Bonvallet's Giant	-----	\$0.25	\$1.50	\$10.00
Barr's Mammoth	-----	.15	.75	6.00
Columbian Mammoth White	-----	.15	1.00	6.50
Palmetto	-----	.15	.75	6.00

If by mail add postage as follows: Doz. 8c, 100 50c.

ARTICHOKES

Grown from seed sown in April, in rows two feet apart, covered one-quarter inch deep. Seedlings are thinned out to stand six to eight inches apart in the row, and cultivated like any other vegetable.

The following spring plants should be set in well-manured beds two feet apart each way. They will bear globes from June until fall.

GREEN GLOBE. A standard sort. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.35, lb. \$4.50. Postpaid.

BRUSSELS SPROUTS

Grown as both an early fall and winter vegetable, is sown and cultivated very much like common cabbage. Seeds may be sown in a hotbed or cold frame for an early crop, or outdoors early in May, in rows eighteen inches apart, covering seeds about one-quarter inch deep. As soon as the seedlings make the third pair of leaves, they should be thinned out to stand four inches apart in the row. Early in June, when they have developed into sturdy plants, as shown at right, transplant them into their permanent rows, in rich soil, allowing eighteen inches to two feet between the plants and two or two and a half feet between the rows.

Brussels Sprouts are not as hardy as ordinary cabbage. The stalk should be pulled before severe cold weather sets in and stored in a frost-proof cellar. They may be left on the stalks until wanted, or they may be cut off and packed away. One packet of seeds will produce from 200 to 300 plants. The average plant yields two quarts of sprouts.

DANISH GIANT. The plants are strong, robust of growth. Stalks are large, thick, and close-jointed so that the sprouts set thickly on the stalk; are very uniformly, very suitable for heavy soils and cool, moist seasons. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$5.00 postpaid.

LONG ISLAND IMPROVED. Is the finest strain grown for eastern markets. We offer finest Long Island grown. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$5.00. Postpaid.

Our Leaflet on Culture, giving full directions will be mailed free when asked for.

PALMETTO. Is a very early maturing, large, vigorously growing, dark green sort of excellent quality. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., 1 lb. 75 cts. Postpaid.

GIANT ARGENTENIL. Is a splendid early French sort, popular on account of its large, green, thick stalks. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. 85 cts. Postpaid.

COLUMBIAN MAMMOTH WHITE. Is the best known of the easily blanched sorts with naturally white shoots. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. 85 cts. Postpaid.



ASPARAGUS KNIVES

American V Shape-----50 cts.

ASPARAGUS BUNCHERS

Each -----\$3.00



BRUSSELS SPROUTS

THE HOLMES - LETHERMAN

Holco
QUALITY

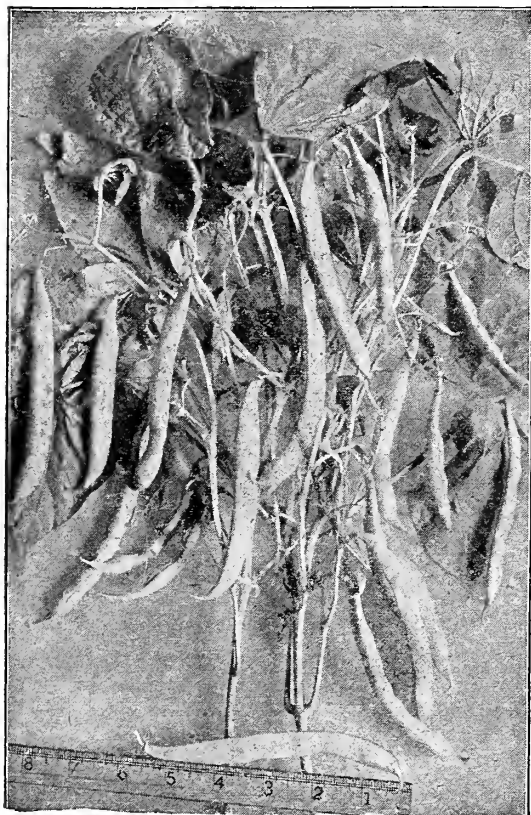
SEED COMPANY, CANTON, O.

GREEN-PODDED BUSH BEANS

Beans are somewhat tender. Beans in hills 6 to 8 in. apart up the soil toward the rows of main all the longer in bearing

Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until August. Rows may be made 2 ft. apart the Beans planted a few inches apart in the drills, or 3 or 4 Cultivate and hoe frequently, always, however, when the vines are perfectly dry. In hoeing draw plants. For String Beans gather the pods clean as soon as fit for use. The plants will re-

One pound will plant 50 feet of row;
75 pounds to an acre



BOUNTIFUL BEANS

FULL MEASURE

A Handsome, Round, Smooth, Green-Podded Stringless Bush Bean.

Extra Early, Fine Quality and of Delicious Flavor.

This extra early variety, although comparatively new, has been pretty widely distributed, and we have yet to hear anything but praise about its fine quality and other merits; it is in fact an ideal Snap Bean, producing a fine crop of round, straight, solid, fleshy pods averaging 6½ inches long, wonderfully tender and brittle, without a trace of tough interlining, and having no string when broken, excepting when the pods are quite old. The flavor is most delicious, while the delicate green color of the pods is retained after cooking, adding to its attractiveness when served. The plants are of robust, compact habit, unexcelled in bearing qualities, maturing the crop very regularly. It is extra early, the pods being fit to pick four days before other varieties of approximate size. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

GIANT STRINGLESS GREEN-POD

Early, healthy, vigorous habit. Producer of large, showy pods 5 to 6 in. long, nearly straight, round, meaty, stringless. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$1.75 postpaid; 100 lbs. \$25.00.

N. C. Fox, Kent, O.—“About a year ago I sent you an order for garden seeds and wish to say the seeds were first class in every respect.”

BOUNTIFUL

A Flat Green-Podded Bush Bean. Always Solid, Tender and of Delicious Flavor.

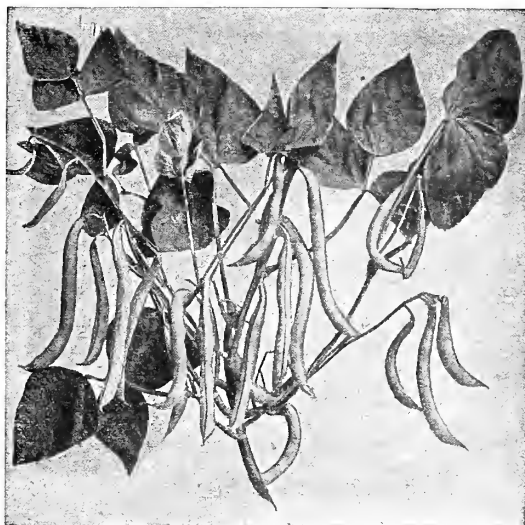
This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. Our customers who have grown it are enthusiastic in its praise. The plant is remarkably handsome and of thrifty growth, being practically rust and mildew proof. Very hardy, extremely early, very prolific, bears continuously for several weeks; the first to give pods fit to pick in the spring, and the last to yield edible pods in the fall. But the crowning merit of this grand Bush Bean is in the rich green pods, which are of immense size, thick, broad, extra long, very uniform in shape, solid, meaty, of high quality, meltingly tender, having a delicious flavor exclusively their own. Moreover, the pods are absolutely stringless, entirely free from any tough, membranous lining, not only when young, but this tender “snap brittle” quality is retained even into maturity. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 100 lbs. \$25.00.

Mrs. Louis S. Fitz, Ohio—“I was much pleased with the promptness with which you filled my order. Your Bountiful Bean seeds have grown fine.”

BURPEE'S STRINGLESS GREEN-POD

Very Hardy and Extremely Early Sort

Extra fine quality. Vigorous, upright in habit, extremely early, handsome appearance, finest quality of pods. Stringless Green-pod is the quickest to produce, pods of a rich green, very round and straight, 5 to 6 in. long, solidly meaty. The pods are brittle and of finest flavor, tender, always stringless even when fully matured; extra hardy. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 100 lbs. \$25.00.



FULL MEASURE
STRINGLESS GREEN POD BEANS

Not less than 10 pounds at the 100 pound rate. One hundred pound prices do not include transportation

KEENEY'S STRINGLESS REFUGEE

A ROUND GREEN-PODDED BUSH BEAN

Of Fine Quality, Long, Round, Green Pods, Always Solid
Tender and of Delicious Flavor

For many years the originator of this grand bush bean has been working to eliminate the string of the old Thousand to One Green Pod Refugee. In this bean he has succeeded. Its habit of growth, pod and seed are practically the same as the old Thousand to One Refugee, but maturing its beans a few days earlier. Very productive; of true bush form; attains a height of 18 in. The handsome, round, green pods average about 5 in. long and are brittle, tender, fleshy, and perfectly stringless at all stages of their growth. Its quality is super-fine; for commercial canning it is unequalled, as the tender, green pods retain their beautiful green color, and being entirely stringless, makes it far superior to any other variety. For home or market garden, Keeney's Stringless Refugee bean will be found very desirable and for the shipper it has no equal. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

IMPROVED RED VALENTINEA Standard Green-Podded Dwarf Snap Bean. Full, Round, Meaty Pods of
Unsurpassed Tenderness. Remains Long Fit For Use

This grand variety is a great improvement over the original Red Valentine, as it is very much earlier, and remains fit for use for a long time. The healthy, vigorous plants are unusually hardy, successfully withstanding early frosts; it may therefore be planted very early. It will always yield a large crop of handsome, long, round, fleshy pods, rich green in color and of unsurpassed tenderness when gathered young, when it is practically stringless. It is the Standard Snap Bean, not only for the earliest, but for successive plantings, bearing up to frost. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

BLACK VALENTINE

Hardy, excellent bean for market gardeners, especially in earliness, in abundance of pods and uniform ripening. Pods 5½ in. long, semi-round, meaty, tender. Pkt. 10 cts., ½ lb. 40 cts., 5 lbs. \$1.75 postpaid; 100 lbs. \$25.00.

SHELL-BEANSThese are grown exclusively to use as shell-beans,
either green or dried for winter**DWARF HORTICULTURAL**

Absolutely stringless and most desirable for slicing and cooking when young. Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell-beans are of good size, tender, and of fine flavor. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

LARGE WHITE MARROWFAT

Vigorous branching habit. Medium late beans of large size, good for shelling and using in green state. Pods 4 to 4½ in. long, flat, nearly straight. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 5 lbs., \$1.75 postpaid; 100 lbs. \$25.00.

PEA OR DWARF WHITE NAVY

This sort is a sure cropper and not only more prolific than the common white bean but it is also of better quality. The plants are large and spreading, with small, thin leaves and occasional runners, ripening their crop comparatively early. The pods are light green, straight, short, about 3¼ in., but usually containing 6 beans. The beans are small, oval, white, handsome and of superior quality for use as dry beans. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 100 lbs. \$20.00.

WHITE KIDNEY

Of vigorous upright habit. Used as shell bean after being ripened. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 100 lbs. \$20.00.

RED KIDNEY

Of vigorous upright habit. Beans large size. Used both green and dry. Pods 5 to 6 in. long and flat. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 100 lbs. \$20.00.

IMPROVED RED VALENTINE, AN OLD RELIABLE

SURE-CROP STRINGLESS WAX

**AN ABSOLUTELY STRINGLESS
ENORMOUS POD GOOD YIELDER**

An Early Flat Wax-Podded Variety. Golden Yellow
Wax Pods Without Rust.

A comparatively new variety, but has come very rapidly into general favor. It is in our opinion, a decided acquisition. The plant is strong, dwarf, not too strongly branching, with large, almost smooth, lustrous green leaves. Bears an enormous crop of pods of a most beautiful yellow color. This color is maintained clear to the tips. The pods are about six inches long and almost straight, but with the valuable characteristic of curving slightly at the ends towards maturity, thus avoiding contact with the ground, and preventing liability to rust and rot, also preserving intact the natural beauty of the pod. We have found it very early, which alone renders it extremely valuable. The color develops very early in the growth of the pods, which remain tender for a long period. The flavor is excellent, and both plant and pod are free from rust and blight. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, 100 lbs. \$30.00.

J. G. Exline, Stark County, O.—“The Sure-Crop Beans purchased from you are a wonder. Planted Sure-Crop June 27, picked August 19, fifty days. Can you beat that?”

IMPROVED (Rust-Proof) GOLDEN WAX

This is a great improvement on the old strain Golden Wax, for as the latter is subject to blights, making it difficult to grow, the Improved Strain is hardy; so much less liable to blight or rust that it is one of the most desirable to grow of all Wax sorts. Pods $3\frac{1}{2}$ to 4 in. long, straight, flat, meaty, light cream wax color, heavily filled, excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$35.00.



SURE-CROP STRINGLESS WAX BEANS
THE BEST OF THEM ALL

HARDY WAX

Early—Stringless, Round, Yellow Pods

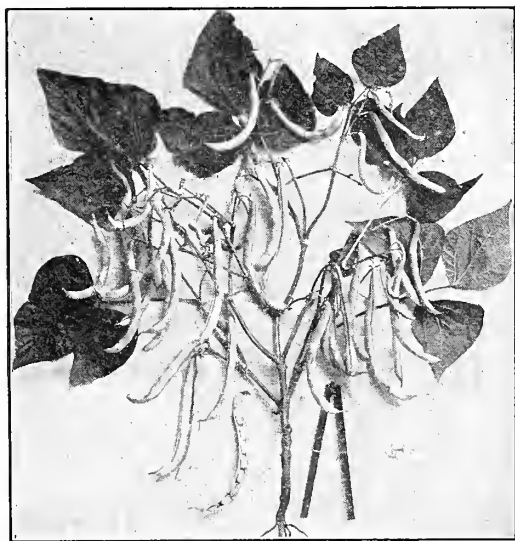
“One of the best of the newer sorts and possibly the handsomest and best general purpose wax bean. In trials its pods are straight, uniform in color and size, very attractive wax sort and productive. Snap pods very uniform in size, long to medium, very straight, round, medium yellow, extremely brittle, absolutely stringless, without fibre and of excellent quality. Early and hardy as Black Wax or Round Pod Kidney Wax, with yellow shell pods borne equally above and below foliage, never colored or splashed.”

This bean is the earliest of all the wax sorts, and is rust-proof and free from disease attacks, and is unsurpassed by any bean of its type on the market. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

WEBBER WAX

A Stringless and Productive Wax Podded Bush Bean

The handsome, early, golden yellow pods are excellent for canning and equally desirable for the table, and is now one of the most popular bush beans. The vines are literally covered with handsome, delicious, transparent yellow pods, which are remarkably brittle, as it has no strings whatever. It is a wonderfully strong grower. Pods are semi-round, of medium large size, full of meat, brittle and stringless. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.



HARDY WAX BEAN—EARLY, STRINGLESS, BRITTLE

DAVIS KIDNEY WAX

An excellent bean for market and private gardeners. Pods white waxy color 5 to $5\frac{1}{2}$ in. long, flat wide and straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

Not less than 10 pounds at the 100 pound rate. One hundred pound prices do not include transportation

If you want Beans in Quantity, we will make you Special Prices.

ROUND POD KIDNEY WAX

This desirable round podded wax bean has attained the top notch among beans of this class. Producing unusually large round pods 5 to 6 inches in length, which are very solid, meaty and tender, free from string, breaking brittle; the flavor is unsurpassed. The crop of this desirable bush bean was very short. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.95 postpaid; 100 lbs. \$40.00.

PENCIL POD BLACK WAX

Season medium, vigorous, healthy foliage; is far better than the common Prolific Black Wax, being stringless and more prolific in bearing, with larger pods. Pods golden waxy color, 6 to $6\frac{1}{2}$ in. long, curved, meaty, round, brittle, tender, stringless, of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

WARDWELL'S KIDNEY WAX

Early large size, handsome appearance and good quality. One of the most popular wax beans in use. Upright in growth with pods 5 to 6 in. long, broad, flat and of beautiful light waxy color. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

HODSON WAX

A variety about ten days later than others, good quality and free from dust. Strong, vigorous growth with healthy foliage. Pod 6 in. long of golden waxy color, nearly straight, thick, flat and meaty. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

STRINGLESS WHITE WAX

The Beans, pure white. The pods flat, remain tender and the plants bear for a long period. The pods are straight, of a lemon-yellow, brittle, meaty, entirely stringless at all stages of growth. Is what truckers have been seeking for years. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

Beans—Pole or Running

Two pounds will plant 150 to 200 hill;
20 to 32 pounds to the acre

The following varieties are of strong, running growth, and need stout poles or other support on which to climb. When grown on poles, they are more easily gathered.

KENTUCKY WONDER OR OLD HOMESTEAD

The long pods are so fleshy that they are greater in thickness than breadth. Solidly meaty, stringless when young, finest quality. If pods are gathered as they mature the vines will continue to bear to the end of the season. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

LAZY WIFE

Late variety, excellent for snap-shorts or shelled. Pods about 6 in. long, thick and meaty, fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

HORTICULTURAL POLE OR WREN'S EGG

An old and well known variety, hardy, very productive, good flavor of the beans when shelled. The pods streaked with carmine, flat, long. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid. 100 lbs. \$28.00.

OLD-FASHIONED STRIPED SICKLE POLE BEANS

One of the best quality; well known to all farmers and gardeners. The seed is gray, with black stripes; the pods long, meaty and stringless. Very heavy yielder. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

WHITE SEEDED STRINGLESS KENTUCKY WONDER

Earlier than other sorts, also called Berger's Geen-Pod Stringless. The pods, long, borne in clusters, straight, of a rich dark green, stringless, tender, sweet, mild flavor. The dry beans are pure white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

KENTUCKY WONDER WAX POLE BEAN

Yellow-podded Kentucky Wonder, bears a large quantity of rich golden yellow pods. Plant makes a quick, healthy growth; productive, bearing large pods; thick, meaty, stringless, very tender, fine flavor when cooked. Decidedly extra early. Pods grow uniform in size. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$30.00.

GOLDEN CLUSTER WAX

Bears long, golden yellow pods in clusters and continues for a long time. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 60 cts., 5 lbs. \$2.95 postpaid; 100 lbs. \$40.00.



Not less than 10 pounds at the 100 pound rate. One hundred pound prices do not include transportation

If you want Beans in quantity, we will make you special prices

LIMA BEANS

Two pounds of Lima Beans will plant about 100 hills, allowing 4 to 5 Beans to a hill; 40 lbs. will plant an acre in hills 4 by 4 ft.

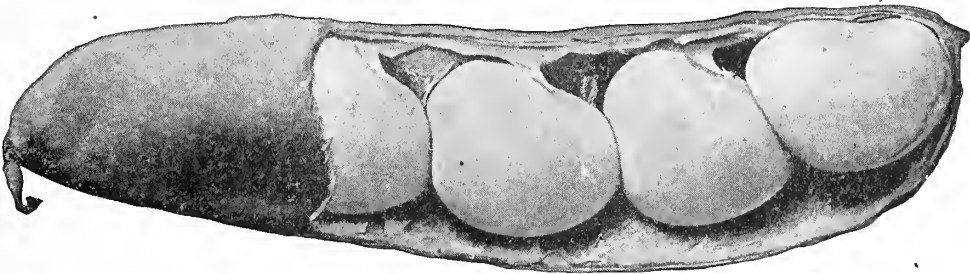
All Lima Beans are very susceptible to rotting in cold, wet ground, and should not be planted until warm weather fairly sets in. Poles 8 to 10 ft. long should be firmly set in the hill before planting the seed. Poles should be set 4 ft. apart each way.

DWARF OR BUSH LIMA BEANS**FORDHOOK BUSH LIMA**

The only stiffly erect bush form of the popular "Potato" Lima. Both pods and beans are twice the size of Dreer's Bush Lima. Nothing like it has ever been seen before. Of strong, erect, true bush-like growth, the bushes average 20 to 30 in. in height by 20 to 24 in. across the top. The foliage is of heavy texture and very dark green in color. The stalks that produce the blossoms are thrown out from the lateral and main stalks; the pods are borne in clusters of from 4 to 8, measuring from 4 to 5½ in. long, about 1½ in. wide, by as much as ¾ of an in. thick. The pods contain 3 to 5 large beans with an average of 4. Pkt. 10 cts., ½ lb. 35 cts., 1 lb. 65 cts., 5 lbs. \$3.00, 100 lbs. \$45.00.

BURPEE'S BUSH LIMA

The pods and seeds are full lima size. The plant grows 18 to 20 in. high, and has an erect branching stem. Has a luscious flavor. Pkt. 10 cts., ½ lb. 30 cts., 1 lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.



FORDHOOK BUSH LIMA

POLE OR CLIMBING LIMA BEANS**HOLMES' GREEN-PROLIFIC POLE LIMA**

The Largest Podded and Heaviest Cropper of all Lima Beans

The pods are truly larger in size, frequently measuring from 7 to 8 in. in length by from 1½ to nearly 2 in. in width. The beans are extra large and thicker than any other Pole Lima, excepting only those of the Potato Lima type; they are invariably of finest flavor. Holmes' Green-Prolific excels all other Limas in vigor of growth. The vines grow so rapidly that they quickly cover the poles. In rich ground we would recommend planting only two or three seeds to a hill and thinning out to one plant. The pods, borne in clusters from 4 to 8, stand out well from the foliage. Pkt. 10 cts., ½ lb. 30 cts., 1 lb. 55 cts., 5 lbs., \$2.50 postpaid; 100 lbs. \$35.00.

EARLY LEVIATHAN

This is the very earliest. The pods differ from those of other early pole limas in being straighter and longer. The pods hang out from the foliage in large clusters; we have frequently seen five to ten in a cluster, each containing from four to five large beans to the pod. An excellent home or market sort, giving satisfaction everywhere. Pkt. 10 cts., ½ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$30.00.

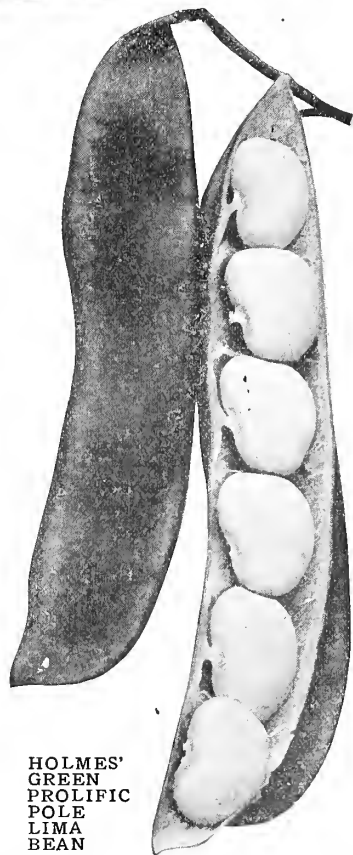
KING OF THE GARDEN LIMA

Pods medium, 5 to 6 in. long, broad, flat, filled with 4 or 5 immense white beans of finest quality. Pkt. 10 cts., ½ lb. 30 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

CHALLENGER, DREER'S OR "POTATO" LIMA

The pods are produced quite thick through, containing 3 to 5 thick beans. Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

Not less than 10 pounds at the 100 pound rate. One hundred pound prices do not include transportation.

HOLMES'
GREEN
PROLIFIC
POLE
LIMA
BEAN

GARDEN OR TABLE BEETS

One ounce will sow 50 feet of row
5 to 6 pounds for an acre

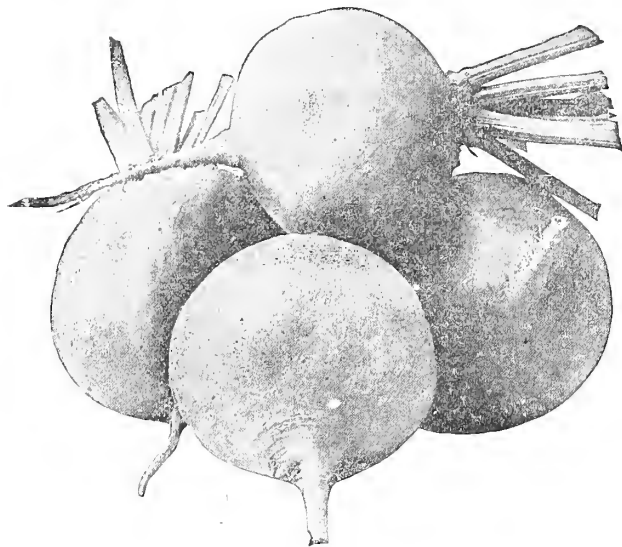
Beets of all kinds, table, sugar and Mangels have for many years been very important food crops in practically all of the European countries.

The gardeners of America are just beginning to realize the great food value of beets, and while their cultivation has been general, it has not been as large as their many good qualities would warrant. Beets should be extensively sown in mid summer for winter use. Their content of sugar and starch, as well as the valuable mineral salts, renders them a most desirable crop.

As a succession crop or as a crop for winter use beets cannot be too highly recommended. We urge every gardener to sow several times of beet seed, for the resulting crop will more than repay you both in summer vegetables and as a crop of highest food value for winter storage.

You will never thoroughly appreciate beets until you have some of your own, stored in your own cellar and handy for immediate use. The methods of preparation are so varied that they may be prepared for many uses.

The seed should be sown in rows from 12 to 24 inches apart, depending upon the variety and method of cultivation. The seed should not be covered to more than $\frac{1}{2}$ inch deep. During June and July we recommend large sowings to supply a well-grown crop for winter use. If the roots are gathered on the approach of cold weather, and carefully packed in slightly moist earth, they can be kept in a cool cellar in almost perfect condition until late spring.



"HOLCO" FIREBALL BEET

CROSBY'S EGYPTIAN (Special)

The most popular early Beet for the home garden and market. Our special strain is ten days earlier, darker in color and more even in maturity, with smaller tap roots and smaller top. Very smooth, sweet, tender, and of excellent quality. You can make no mistake in placing your order for this extra fine stock. In the production of this seed, selection is not only made for shape, but also for extreme earliness and high quality. The skin is very smooth, bright red and flesh-vermilion, very sweet and tender. This Beet is good for forcing, as well as growing in the garden, and may be used while small. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

MODEL RED GLOBE

This splendid variety is of English origin and is perfect for table use. It is medium early, coming in between Extra Egyptian and Crimson Globe. The roots are of good size, slightly oval, with small, dark crimson leaves and a slim tap root. In quality and color it is peerless; very fine grained, tender and sweet, never woody or stringy. Color of both skin and flesh deep rich red. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

CRIMSON GLOBE

Of fine form, with smooth skin. The tender, unusually sweet flesh is a deep purplish crimson, slightly "zoned;" foliage small, of a rich bronze-purple. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

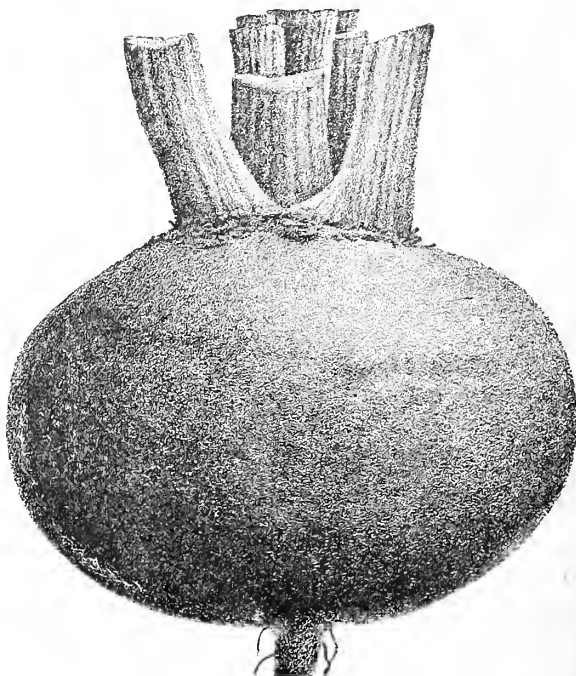
"HOLCO" FIREBALL

A SPECIALLY SELECTED STRAIN
IT HAS NO SUPERIOR

An Early Maturing Beet. The finest Shaped Beet in the World. The Deepest Blood Red of all Beets. Has No Equal for Table Use. The Most Handsome Beet Grown.

It leads all others. This beet has no superior. For market purposes it is the popular favorite everywhere as its attractive appearance, perfect globe shape, catch the fancy of the most critical buyers. Much superior in quality to the Egyptians, having very fine grained, rich and exceedingly tender flesh. The leaves are small, upright, of rich purple color, and borne on slender stems, occupying but a small portion of the bulb. The roots are uniformly medium sized. The surface is remarkably smooth. It has a very small tap root. The color of the skin and flesh is a brilliant, dark fiery red, the richest darkest red of any beet. This intensity of colors retained when cooked. Fireball is equally valuable for early frame work and for the open ground. Will give the best satisfaction to all whether they grow for pleasure or profit. See illustration.

Price, Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50. Postpaid.

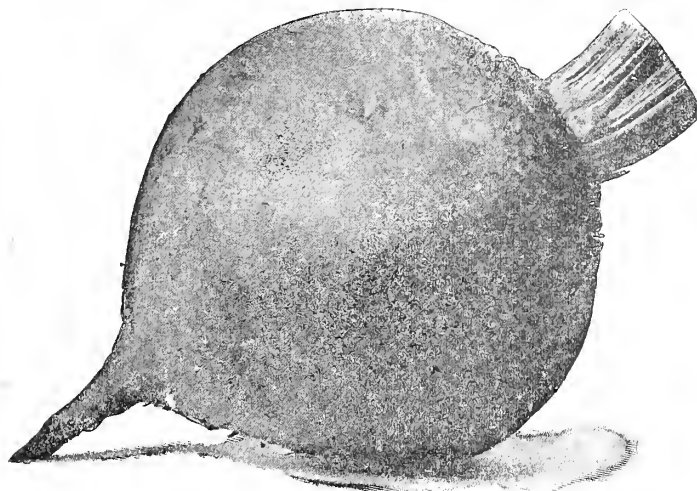


CROSBY'S EGYPTIAN BEET

Remember! All seeds in quantities of pound and five pounds delivered free.

GARDEN OR TABLE BEETS—Continued

HOLMES' "GREEN-TOP" BLOOD TURNIP



HOLMES' "GREEN-TOP" BEET

EXTRA EARLY EGYPTIAN

Best variety for forcing and excellent for first-early crop outdoors, being very early, with small tops. Roots very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about 2 in. in diameter when mature. Flesh dark purplish red, zoned lighter shade; firm, crisp, tender. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

ECLIPSE

Perfectly smooth; round; skin and flesh red; extremely early. Does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.

EDMAND'S EARLY

Root nearly round or slightly flattened; exterior color dark red, interior color purplish red with little zoning; crisp, tender, sweet and an excellent keeper. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.

IMPROVED EARLY BLOOD TURNIP

Selected stock. Root nearly round or slightly flattened; flesh deep red, zoned with lighter shade, sweet, crisp, tender. For summer and autumn use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

HALF-LONG BLOOD

The roots are smooth, flesh bright red, quality excellent. For winter use the seed should be sown early in July. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

LONG SMOOTH BLOOD-RED

Roots long, penetrating the soil deeply. Pkt 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Mrs. L. H. Lotz, Walkerton, Ind.—"The seeds we got of you this spring are coming fine, as they did last year; every bulb is coming up too. I was so well pleased by the sturdy growth of the Japan Lilies and Gladiolas. I certainly will remember you when another growing season comes."

In Quality It Stands Alone.

Whoever saw an absolutely light-green-top beet with pure Blood-Red Root? It is one of the most tender of beets, of delicious flavor and is absolutely unsurpassed for quality by any beet that we know of. This grand, new beet—Holmes' Green-Top Blood Turnip—is almost globe-shaped, tapering somewhat toward the root. The flesh is a handsome dark red, sweet and tender at all stages of growth regardless of size. The hard, stringy, wooden-like fiber so common with all other varieties, is entirely absent in Holmes' Green-Top Blood Beet, and will keep tender all winter. Market gardeners who plant it will find it outsells all others. By buying this year, you can control your market and make big profits. The keeping quality of Holmes' Green-Top Blood Beet has no equal. We would advise our customers who want this fine beet to order early as our stock of seed is limited. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

DETROIT DARK RED

One of the best Beets for the market and home garden. Has a deep, rich color. Tops small, upright in growth; leaves dark green, shaded with red; root medium-sized, nearly round, very smooth, of dark blood-red, zoned with a lighter shade of the same color. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.



DETROIT
DARK RED
BEET



GIANT LUCULLUS SWISS CHARD

KLEIN WANZLEBEN SUGAR

Best beet for sugar making, and largely planted for that purpose. Eighteen tons of sugar have been made from 100 tons of these beets. Highly recommended as a winter food for milch cows. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

GIANT HALF SUGAR

Superior to mangels for stock-feeding purposes, more nutritious, having a large amount of sugar. Oval in shape, grows partly out of ground. Large size, yields enormous crops. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

DANISH SLUDSTRUP

The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all Mangels, having been awarded first-class certificate. I ncolor it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

GOLDEN TANKARD

Smooth yellow-fleshed Mangel; roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. Grows largely above the soil, easily harvested. Yields an enormous bulk on good land; can be grown closely in rows. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

RAISE YOUR OWN SUGAR BEETS.

Sugar beets may be grown in any locality which has tillable soil that is capable of producing good crops of vegetables. All sugar beets if properly handled, will produce syrup. The beets are cut into thin slices and soaked in hot water (60 minutes) to extract the sugar. The liquid is then boiled down to the thickness desired. While the boiling is progressing, a scum will rise on the surface of the liquid; this should be removed carefully by means of a skimmer. As soon as the syrup has reached the desired consistency and has been skimmed carefully, it may be placed in cans or bottles for future use. It should be helpful in reducing the sugar bill. If the evaporation is carried far enough and the syrup is allowed to stand, a dark sugar will settle out. This sugar will be found very satisfactory for home use in cases where refined sugar is not necessary, such as in making pies or dark-colored cake.

SWISS CHARD OR SPINACH BEET

The principal use for Swiss Chard is to cook the leaves in the same manner as spinach, and the stalks are palatable if prepared and cooked like asparagus. Both leaves and leaf-stems may be cut all season if care is used not to injure the crowns. Swiss Chard may be canned and is a most valuable vegetable for winter use.

GIANT LUCULLUS

The plants grow to a height of two to two and one-half feet. The stalks are as thick and broad as those of rhubarb, being one and one-half inches broad, heavily ribbed, and from ten to twelve inches long below the leaf. These stalks are delicious when cooked and served in the same manner as asparagus. The extra-large leaves of thick texture are heavily crumpled or "savoyed" and of fine flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

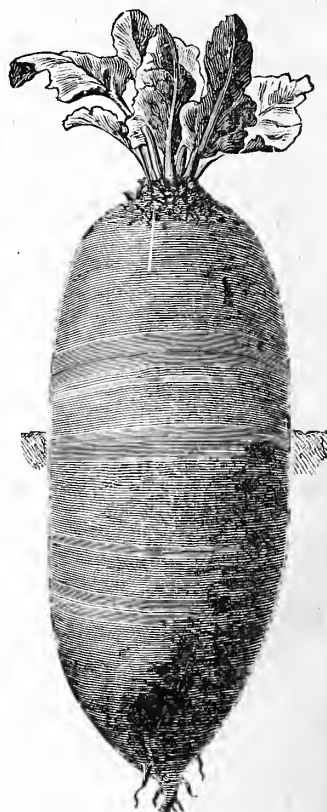
SUGAR BEETS AND MANGEL-WURZEL

For Stock Feeding

1 oz. to 100 feet of drill; 5 lbs. will sow an acre.

MAMMOTH PRIZE LONG RED

Heaviest cropping and largest of all Mangels. Dark richly colored foliage; skin bright dark red, white flesh, with veined rings of rose-pink. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



GOLDEN TANKARD
MANGEL-WURZEL

CABBAGE One ounce will produce about 3000 plants;
a quarter lb. will produce enough for an acre

No grower can make a mistake in purchasing this important crop from us. Our strains are the very best to be had, selected from specimen heads in well-rogued fields. Sow seeds in Jan. or Feb. in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 ft. apart, and 12 to 18 in. apart in the row. For second-early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 ft. apart and 2 ft. in rows. Never plant Cabbage in the same location 2 years in succession. (Cabbage seed crop shortest ever known.)

COPENHAGEN MARKET CABBAGE

Proved to be the Best Early Cabbage from Denmark. Remember, as
Early as the Jersey Wakefield



COPENHAGEN MARKET CABBAGE
(Seed Grown in Denmark)

A very great satisfaction, indeed, to be able to offer this valuable new, early Cabbage, producing round, hard heads very early in the season. As early as the Jersey Wakefield. The most popular early Cabbage in the markets of Copenhagen. Market-gardeners who tried it for the first time last season are simply crazy about it on account of its extreme earliness and solid, 8-pound heads, with a small core and always of excellent quality. The plants are short-stemmed, producing heads, almost on the ground. The light green leaves are medium in size, saucer-shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. A vigorous grower and yielder, as are all Cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator, is guaranteed to be absolutely true to name. Pkt. 15 cts., oz. \$1.40, ¼ lb. \$4.25, lb. \$15.00.

**EXTRA-EARLY JERSEY
WAKEFIELD**

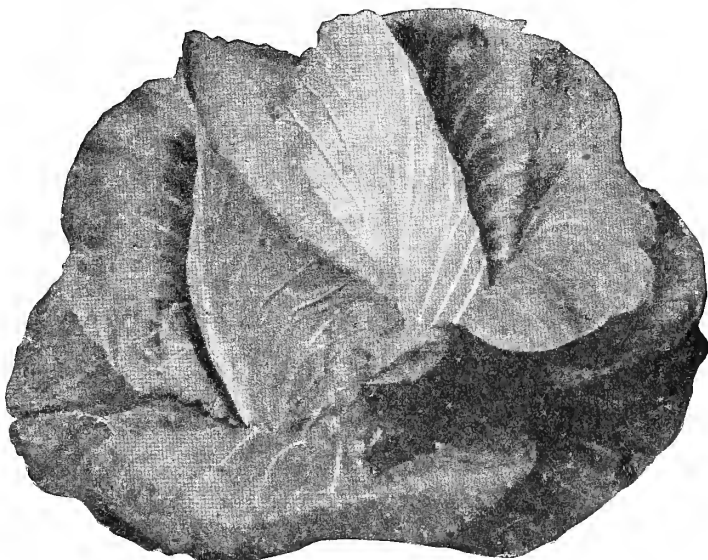
Plants are dwarf, compact and produce heads very early. Erect and conical in form, very uniform and even in size as well as time of heading. Our seed of all "Two Wakefields" is the choicest Long Island grown; this special strain is most highly recommended. Pkt. 10 cts., oz. 80 cts., ¼ lb. \$2.25, lb. \$8.00.

**LARGE WAKEFIELD OR
CHARLESTON**

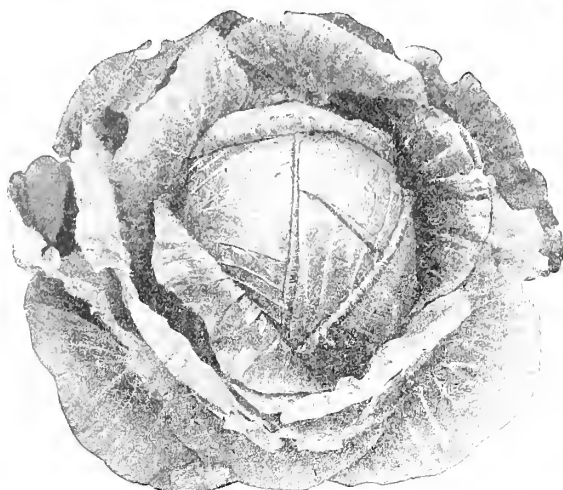
Heads are of similar form, although not so pointed, of equal solidity as the original Jersey Wakefield; grow half again as large, reaching full size ten days later. Pkt. 10 cts., oz. 80 cts., ¼ lb. \$2.25, lb. \$8.00.

EARLY WINNIGSTADT

Heads are same size as Jersey Wakefield but more sharply pointed in form and not so early. Leaves rich dark green, slightly glossy, tightly folded; heads being the hardest of any early cabbage. By reason of its great solidity it is a popular variety to plant for winter use or cutting for Kraut. Pkt. 10 cts., oz. 80 cts., ¼ lb. \$2.25, lb. \$8.00.



EXTRA-EARLY JERSEY WAKEFIELD CABBAGE



EARLY SPRING CABBAGE

ALL HEAD EARLY

An excellent second early sort. Heads large, solid and flat, very deep for so early a cabbage and a very good quality, stem is short. It is described not only for spring planting but by planting late it can be used as a fall and early winter cabbage. Well adapted for kraut. The seed we offer is of first quality. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00.

EARLY DWARF FLAT DUTCH

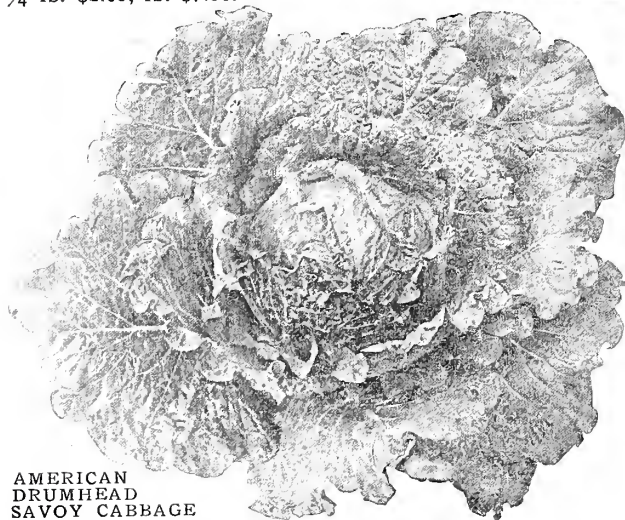
Good flat-headed variety, with short stem and hard, firm head. Forms heads early; is valuable for summer. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

EARLY SUMMER

Desirable, medium sized, early, flat-headed variety. Good keeper, does well in summer and autumn. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$6.00.

SUCCESSION

A sure heading sort, second early, adopted for autumn as well as late summer use. Heads are large, deep, very firm and of excellent quality. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.



AMERICAN
DRUMHEAD
SAVOY CABBAGE

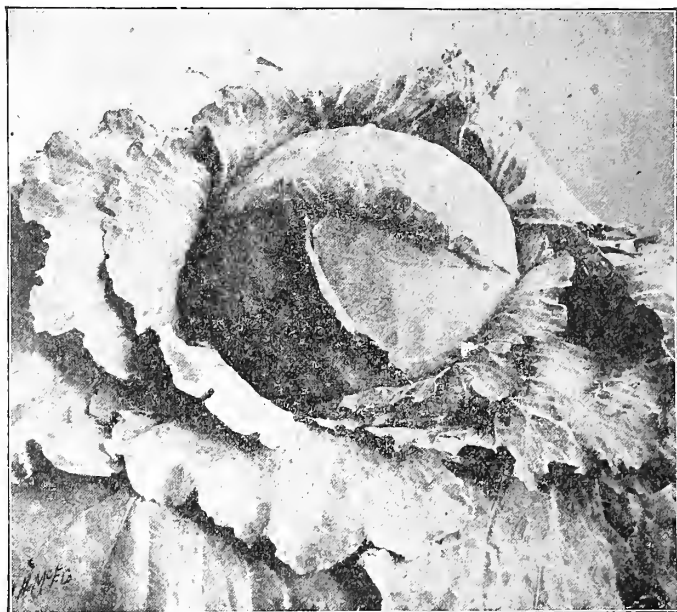
CABBAGE—Second Early Sorts

EARLY SPRING

The earliest flat-headed variety. The plants are vigorous, very compact, with few outer leaves and a short stem. Early spring will produce a crop almost as quickly as Jersey Wakefield but being of large size will prove very valuable to the market gardener. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00.

GLORY OF ENKHUIZEN

This excellent second early cabbage is becoming very popular. The heads are round or ball like in form, very solid with but few outer leaves and of such compact growth as to permit close planting thus increasing the yield of a given area. The heads are of medium size, weighing from six to eight pounds trimmed, tender, and of fine flavor. They keep well when put away. Plants set out in midsummer will produce heads before cold weather. The seed we offer was grown by the originator in Holland. Crop very short. Pkt. 15 cts., oz. \$1.40, $\frac{1}{4}$ lb. \$4.25, lb. \$15.00.



GLORY OF ENKHUIZEN CABBAGE

FOTTLER'S BRUNSWICK

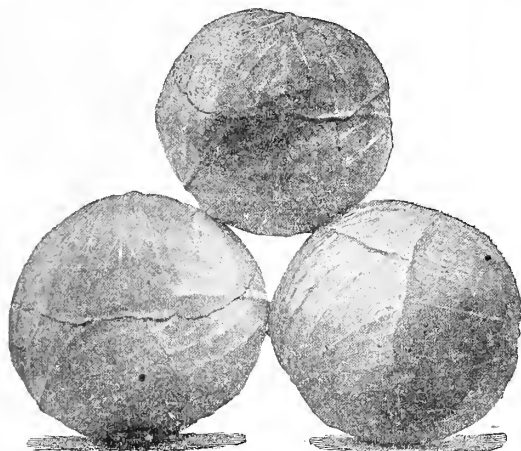
One of the most popular of the second early flat-headed types, especially with the home gardener. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.50.

CABBAGE (Late and Winter Sorts)
AMERICAN DRUMHEAD SAVOY

The plants are vigorous, of medium size, with rather short stem and are very sure heading. The outer leaves are medium large, thick, fleshy and densely and uniformly crumpled; the heads are large, nearly round, fairly solid, sweet and tender. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

NOTE

Slug Shot kills cabbage worms absolutely. Can be used without danger. 1 lb. 25 cts., 5 lbs. 50 cts.



DANISH BALLHEAD OR HOLLANDER

"WISCONSIN" Hollander (*Disease Resistant*)

This strain of seed was originated at the Wisconsin Experiment Station, who introduced a selected disease (Yellows), resistant strain of Hollander Cabbage into the districts where cabbage growers have been greatly bothered with Yellows in their crops; the selection has been a big success.

This seed was grown from heads selected for their resistance to the "yellows" disease and has been disinfected with formaldehyde.

Although showing considerable variation in type the plants resemble Hollander but are larger and more leafy and spreading. The heads are round or somewhat flattened and retain to a remarkable degree the solidity and excellent keeping qualities of the Hollander.

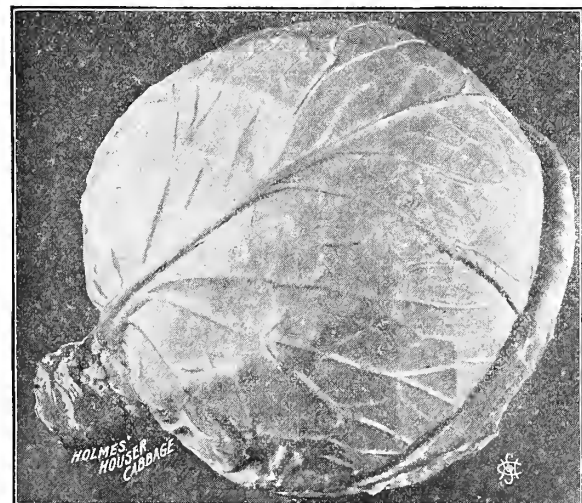
Owing to the method used in growing this seed, and the shortage of crop this year, we are only able to offer it in limited quantities. If any grower has been having trouble with disease in his cabbage, believe it would be to his advantage to give this variety a trial. Pkt. 20 cts., ½ oz. 80 cts., oz. \$1.50.

MAMMOTH ROCK RED

While late in maturing, this is the largest-heading of all deep red varieties. In good soil the heads will average 10 pounds. Pkt. 10 cts., oz. 85 cts., ¼ lb. \$2.25, lb. \$8.

HOLMES-HOUSER (*Latest Cabbage of them all*)

An excellent late Cabbage. Two weeks later than any strain of the Late Flat Dutch style. In solidity is hard as the Danish Ballhead. Compact in habit of growth, the leaves overlapping the head. The shape and appearance are shown in the illustration. In size the Holmes-Houser Cabbage will average about 12 pounds at maturity, and the heads are uniformly handsome. The shape is round and deep, as indicated; and when a head cracks or bursts it is always at the stem end, which does not destroy its use for market. In quality the Holmes-Houser Cabbage equals the best, being very free from the coarse ribs found in most late sorts. It is a strong, vigorous grower, with ability to withstand drought better than most varieties. It sells well in the market, and adapts itself to various conditions of soil and climate. It is because the Holmes-Houser is so extremely late and is such an excellent keeper that it has attained such wide popularity. Owing to the scarcity of seed we cannot offer this variety in larger quantity.



HOLMES-HOUSER CABBAGE
Largest, Hardest Heading Cabbage Grown

DANISH BALLHEAD OR HOLLANDER

Has few equals for winter use. Very hardy, sure heading, very solid, of excellent quality and one of the very best keepers. Heads are medium size, round, is most excellent shipper. Quality is second to none. Seed we offer is grown for us by the best growers in Denmark and will produce more uniformly heads than can be grown from stock obtained elsewhere. Crops very short. Pkt. 15 cts., oz. \$1.35, ¼ lb. \$4.00, 1 lb. \$14.00.

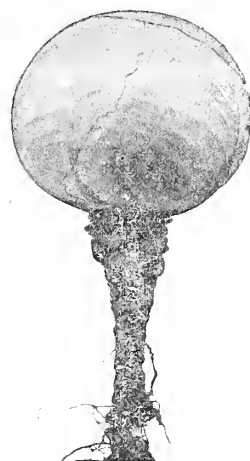
Remember this price is for our Imported Danish-grown Seed, which is the Best that Denmark produces—see illustration.

SUREHEAD

We recommend this reliable sort for northern markets, being late, hardy and sure heading. Head large, somewhat flattened, compact, very solid and of excellent quality. Pkt. 10 cts., oz. 75 cts., ½ lb. \$2.00, lb. \$7.50.

PREMIUM LATE FLAT DUTCH

A very popular sort. The plants are hardy, stem rather short. The heads are very large, flat but deep and of excellent quality, good keeper. Pkt. 10 cts., oz. 75 cts., ¼ lb. \$2.00, lb. \$7.00.



"WISCONSIN"
HOLLANDER

A WARNING. It is absolutely necessary to plant out the Holmes-Houser Cabbage two weeks earlier than any other late sort, as it requires this much longer to mature than the Flat Dutch types or any other late variety.

Price of Holmes-Houser Cabbage, Originator's Stock, Pkt. 15 cts., ½ oz. 80 cts., oz. \$1.50, ¼ lb. \$5.00. Crop almost failure.



PE-TSAI—From a Photograph

Mariana H. Adams, Terre Haute, Ind.—“I had seed from you this year and was pleased with the way it germinated. Have quite a war garden, and my Chinese Cabbage is delicious and a wonder.”

CHICORY One ounce to 100 feet of row

Chicory is grown for the large, thick roots, which are dried, roasted, and ground as a substitute or adulterant for coffee. The leaves are used also as a salad during the early months. To secure large, smooth roots the soil should be light, rich, and deeply worked, and the plants should be thinned out to stand four to six inches apart.

LARGE ROOTED, or COFFEE. Pkt. 10 cts., oz. 35 cts.

WITLOOF-CHICORY, OR FRENCH ENDIVE

Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like Cos Lettuce.

About the first of June or a little later is the time to sow Witloof Chicory seed to grow the roots that will be used for forcing next Winter. A rather light, deep soil should be selected for the development of long, well-shaped roots. Any soil that is rich enough for Parsnips is good for Witloof Chicory. Well rotted manure may be used to improve the soil so that large roots about 1 in. to 1½ in. in diameter may be grown.

The rows may be about 18 in. apart for hand wheel hoe cultivation, or 28 in. to 30 in. apart for horse cultivation. The seed should be sown thickly enough to get a good stand of plants and covered about ¾ of an inch deep. If a crust forms over the row after it rains it should be broken with a rake. With plenty of moisture the seed will germinate in about a week, but often it takes a few days more.

When the plants have a good start they should be thinned to stand about 4 in. apart. Some growers suggest wider spacing, but on good ground the roots will usually grow too large. The crop should be given good cultivation throughout the summer. Pkt. 10 cts., oz. 75 cts., ¼ lb. \$2.25.

Pe-Tsai, Chinese or “Celery” Cabbage

Chinese Cabbage was introduced into this country by the Chinese of the Pacific Coast. The Pe-Tsai belongs to the Cabbage family, and produces quickly from seed sown in the open ground very attractive heads, somewhat resembling Cos Lettuce, and it grows well in any good soil. Chinese Cabbage makes the best heads during the cool fall months, so it is advisable to start the seed about the latter part of July. Seed can be sown in the open ground. Thin out to stand about fifteen inches apart in the row, as the heads develop rapidly and grow to a large size. Keep the soil free of weeds, and cultivate freely in order to preserve the largest possible amount of moisture for the plant. The heads blanch readily and the leaves are so tender and sweet that it makes excellent salad. It can be eaten raw like Celery or Lettuce or cooked like ordinary Cabbage, but must be cooked quickly. It makes an ideal vegetable for fall, and it can be stored for winter. Chinese Cabbage may be planted in your garden after some of your early crops have been cleared off. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, 1 lb. \$3.50 postpaid.

CRESS

Sow Curled Cress thickly in shallow drills, every 2 or 3 weeks. Should be cut often and it will continue to grow. Useful not only for salad, but for the breakfast table and for garnishing. Water Cress should be sown in damp soil; or, if a stream of water can be utilized, they will be much finer. Will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 in. wide on the outer margin of a hotbed, inside the frame, where it is always cool.

CURLED OR PEPPER GRASS. Pkt. 5 cts., oz. 15 cts., ¼ lb. 25 cts., lb. \$1.25.

WATER CRESS. Very mild. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.50.

CHIVES

Chives are perfectly hardy perennial plants of the onion type. Are grown for their small leaves, which are produced freely very early in the spring, for giving a mild onion flavor to various dishes.

Per bunch 20 cts., 2 bunches for 35 cts.

C. H. Rice, Bloomfield, O.—“Our vegetable and flower seeds came in quick order. Many thanks.”

COLLARDS

GEORGIA SOUTHERN. Pkt. 5 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

CORN SALAD One ounce will sow 30 feet of row

This is a hardy winter salad, the small leaves being served like lettuce during the cool fall and early winter months. It is used also for garnishing meat dishes in the same manner as parsley and cress. It does not succeed during warm weather, and the seed should be sown thinly in drills during August, September, and October, to supply fresh leaves during the cool and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of soft hay or straw. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00 postpaid.

CARROTS

One ounce will sow 100 feet of row three
to four pounds to the acre

Sow the seed thinly in shallow drills early in the spring, when the trees are starting out in leaf. Make three or more sowings of the early varieties a month apart, to afford a succession of tender roots, as when fully grown the roots are apt to become hard and woody, while the small varieties may split open from overgrowth.

When plants are well started, thin out the small early sorts to three inches apart in the row, and large late varieties from five to six inches. They should be sown in deep, rich soil, deeply worked, and receive constant cultivation during growth to insure smooth, straight roots.

CHANTENAY

The popular sort for bunching. This splendid Carrot belongs to the half-long, stump or blunt-rooted type, but differs from all others of this class by its greater girth, bulk and consequent yield. It averages 6 to 7 in. in length, is broad at the neck, narrowing gradually to the round, blunt base, therefore is easily harvested. The most prolific of all Carrots. The flesh, entirely free from core, is of rich orange-red and of the finest table quality, fine-grained, tender, juicy and delicately flavored. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



CHANTENAY CARROT

A half-long orange Carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early Carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, 6 to 8 in. long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of good quality. Although the roots of this variety at maturity are comparatively short they often produce as large a bulk as the longer field sorts and are more easily harvested. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

DANVERS

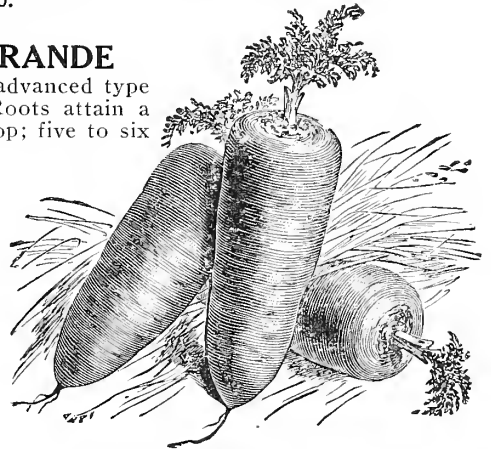


DANVERS CARROT

5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

HALF-LONG NANTES

A handsome half-long variety, almost perfectly cylindrical, blunt-ended, and with a very small tap-root. They average six inches in length, by one and one-half inches in diameter. The skin is very smooth and clear and of a rich color. The flesh is of a fine texture lacking any stringiness, while the core is very small and quite devoid of woody fiber. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.75.



HALF-LONG NANTES CARROT

OXHEART, OR GUERANDE

This fine sort is of the most advanced type of the shortened thick form. Roots attain a diameter of four inches at the top; five to six inches in length, and frequently nearly two inches in diameter at the abrupt stump-root. The roots are free from hard core, and of the finest quality for table use; both skin and flesh are highly colored. Pkt.

EARLY SCARLET HORN (Dutch Horn)

May be planted very early in spring, and is an excellent summer variety. Tops small and roots grow about three inches long; reddish orange and good flavor. May be grown either in frames or in the open ground. Like the "French Forcing" Carrot, this variety is at its best quality while young and tender. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

IMPROVED LONG ORANGE

The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding, combining great productiveness with uniform shape where grown in light, deep, rich soil. When of size suitable for the table, the roots are tender and of good quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

LARGE WHITE BELGIAN (For Stock)

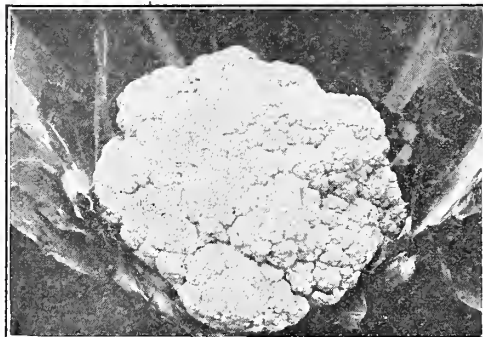
Grows a third or more of its length above the ground. Roots will average two inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

CAULIFLOWER

One ounce of seed will produce about 3,000 plants
¼ lb. enough seed for an acre

Requires very rich soil, cool seasons, and abundance of moisture. It is generally grown either as a spring crop or for late fall.

Late in May or during early June preparations are made for the main crop in the fall. Seeds are sown in rows, eighteen inches apart, covered one-quarter inches. Late in June plants are set in rows with two or three feet between the rows, eighteen inches to two feet between the plants, to be cultivated like cabbage. For best results, use abundance of available plant food and a constant water supply. Using liquid manure will greatly benefit the crop. Clear and thorough cultivation is absolutely essential. Hoe right close to the plants, giving shallow cultivation as they expand. If insects trouble them, use the Arsenate of Lead or Slug-shot. When the young heads begin to form, draw some of the leaves across to prevent the sun from discoloring or scorching them. This may be done by tying the large outside leaves at the tips with soft twine.



"HOLCO" EARLIEST CAULIFLOWER

Our Leaflet on Culture Giving Full Directions will be mailed Free when asked for.

"HOLCO" EARLIEST

The earliest and best, quick-growing Cauliflower for family or market-garden, for forcing or cold-frames. It heads where others fail. "Holco" Earliest is superior to all others. The earliest of all Cauliflowers. Its close-growing, compact habit, enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during winter and spring, "Holco" Earliest is peculiarly well adapted, from its dwarf growth and short outer leaves. Carefully grown for our trade in Denmark, where the finest Cauliflower is produced. Half size pkt. 15c, pkt. 25 cts., ¼ oz. \$1.50, oz. \$5.00.

DANISH GIANT OR DRY WEATHER

Variety is about ten days later than our Snowball. Dwarf growth, producing very large, stone-hard and snow-white heads, fully protected by the foliage, especially fitted for dry and hot weather and for sections subjected to long dry seasons, a sure header when all other sorts fail. Cannot be forced, but is, in culture on open ground, the Cauliflower that gives the highest yield.

Half size pkt. 15 cts., pkt. 25 cts., ¼ oz. \$1.50, oz. \$5.00.

EARLY SNOWBALL

Very popular variety with few narrow gray-green, upright leaves, heads very white. Similar to the "Holco" Earliest, but not quite so early. Pkt. 20 cts., oz. \$4.00, ¼ lb. \$12.00.

EARLY DWARF ERFURT

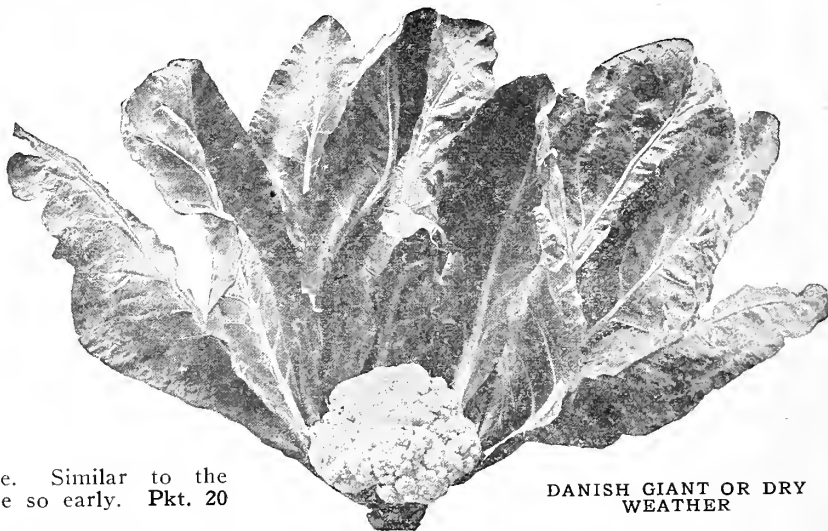
One of the very best varieties for field cultivation, especially for late crops. Under ordinary conditions produces large, deep and very solid white "flowers." Pkt. 15 cts., oz. \$3.50, ¼ lb. \$10.00.

CAULIFLOWER PLANTS

Ready in season; transplanted stock. Write for prices.

VEITCH'S AUTUMN GIANT

A large late cauliflower, producing quite compact white heads. These large late varieties are not nearly so reliable as the earlier Erfurt type. Known on the Pacific coast under the name of California Wonder. Pkt. 15 cts., oz. \$1.50, ¼ lb. \$4.50 postpaid.



DANISH GIANT OR DRY WEATHER

DANDELION

One ounce of seed to 300 feet of drill

A hardy perennial. Sow in early spring, in drills half an inch deep, and thin to 10 to 12 in. in the row. Will be ready to cut the following spring. (Crop very short.)

IMPROVED THICK LEAVED

Very early; large leaves which make wholesome greens. Pkt. 15 cts., oz. 80 cts., ¼ lb. \$2.50, lb. \$8.00.

J. F. Hammar, Nashua, N. H.—"The Improved Thick-Leaved Dandelion came up 90%. That is some for Dandelion."

Mr. A. F. Erdman, Mantua, O.—"We are well pleased with our seeds."

CELERY

One ounce of seed will produce about 8,000 plants
A quarter pound for an acre

Celery seed is slow to germinate, and ample time must be given. Sow thinly; cover lightly; keep constantly moist. When the seedling plants are three inches high they should be clipped at the top to favor socky growth, or else transplanted. Celery is mostly grown under flat culture, without trenches, in rows 4 ft. apart, 6 in. apart in row. For home use, Celery is often grown in double rows, 10 in. apart, without trenching, and banked for winter storage just where it grows, without lifting.



HOLMES' EMPEROR WINTER CELERY

Largest, Most Solid and Finest Nutted Flavored Celery Grown.

Excels by far the Pascal, Columbia or any other Winter Variety. The tops are green, while the outer stalks blanch white and the inner stalks are tinged with yellow.

A true dwarf type and therefore much easier to blanch than the taller growing sorts. The plants average from 15 to 18 in. in height, while the blanched part is 6 to 9 in. long.

Stalks are smooth, very thick, being moon-shaped, as near round as possible, found only in **Holmes' Emperor**. Some measuring $\frac{1}{2}$ in. through when cut. Color is white, heart being tinged with yellow, flavor is unsurpassed, being decidedly nutty and crisp.

Although low-growing, each stalk averages fully two pounds in weight. Since the introduction of the **Holmes' Emperor Celery** in 1912, it has been called Fordhook Emperor. **Holmes' Emperor** has been tested by some of the largest growers of celery in America, as well as Europe, who pronounced it as the finest flavored and best keeping variety of outstanding merit. Price, pkt. 15 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50, lb. \$15.00.

M. E. Smith, Ohio—"We tried Holmes' Emperor Celery last year and think it is the finest celery we ever ate."

Kehl Bros., Stark Co., O.—"We consider Holmes' Emperor Celery the most brittle and finest flavored celery grown. Our customers are wild for it."

H. J. Joldersma, Chicago—"Your Emperor Celery is good. Send me $\frac{1}{4}$ lb."

GOLDEN SELF-BLANCHING OR PARIS GOLDEN

Finest French-Grown Seed

This variety of French origin, is becoming more popular every year, and is now one of the most extensively grown sorts, both for private use and for market. American Golden Self-Blanching has given satisfaction in the family garden, yet most of the larger growers in Ohio, New York, Michigan, Florida and other States insist upon having only French grown seed even though it costs double the price. We handle the originator's seed only, no other imported seed of this variety.

Not as early as White Plume, though it possesses the same self-blanching characteristics and is of heavier and more compact growth, the stalks being thick, crisp and brittle, while the hearts are large and solid, all blanching a beautiful waxen yellow; the quality is superb, tender and free from stringiness; flavor rich, delightful. (Our seed is grown by the originator in France.) Pkt. 10 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.25, 1 lb. \$15.00.

CELERIAC

TURNIP ROOTED CELERY. An excellent thing in its way. It is used for flavoring and is in wide demand. Culture is the same as celery. As the roots are the edible portion, it requires no hilling. Is early and smooth. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

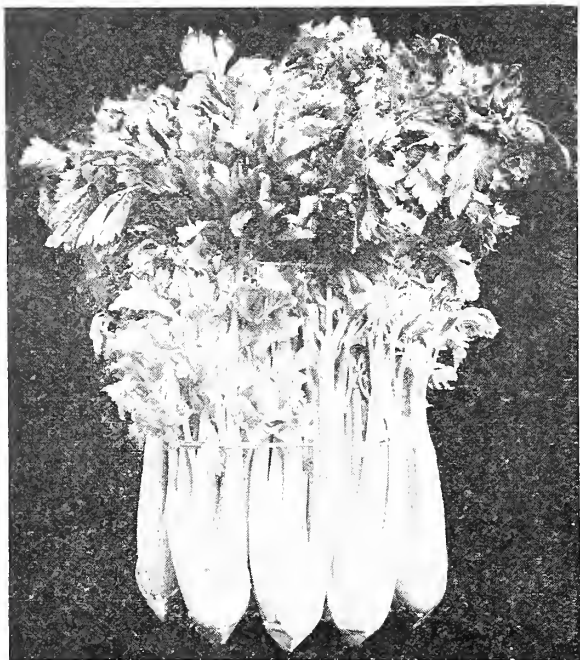
D. W. Ensign, Battle Creek, Mich.—"I have always had splendid luck with your seed in my acre garden, better than I have had with seeds purchased from other houses."

F. Buurma, Richland Co., O.—"Your strain of Golden Self-Blanching Celery has proven to be the best in quality."



GOLDEN SELF-BLANCHING CELERY

CELERY—Continued



EASY BLANCHING CELERY

WHITE PLUME

Earliest and most easily blanched, but does not keep well if taken from the trenches. The plants grow rapidly and blanch easily during the summer months. Later in the fall the central stalks and leaves are of pure snowy whiteness, even without earthing up, but stalks should be gathered together and earthed up as in other varieties, so as to produce close, attractive bunches. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Snyder Bros., Canton.—“Columbia Celery seed purchased of you gave us excellent results. We had the finest celery that was put on the market this fall.”



A Field of Columbia Celery at the Dulabahn Gardens, Canton, O.

es easily and is a good winter keeper. An excellent home or market sort. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

EASY-BLANCHING

The Easiest and Quickest to Blanch.

A new variety of great merit, with remarkably easy-blanching qualities. Plant is of medium height and compact, having light-green foliage, stalks are thick, very tender and brittle, with a rich flavor. Those who have never been successful in growing good celery may plant it with the assurance that the crop will equal in quality and appearance any celery grown by commercial growers, and it will be found useful both for early use and for keeping during the winter months. The plants make a quick healthy growth. In some sections where the land has become worn out, or “celery sick,” celery has failed to produce good crops. On such land as this, Easy-Blanching Celery has been grown with remarkable success, producing just as good crops as ever, while right alongside the Self-Blanching sorts have failed almost completely. Will recommend Easy-Blanching Celery to the amateur gardener as well as the commercial Celery Grower. Tested and Proven Seed. Pkt. 15c, oz. \$1.25, lb. \$4.00, lb. \$12.50.



GIANT PASCAL CELERY

GIANT PASCAL

Stalks are dwarf, stocky growth, broad, thick, solid, stringless, almost as brittle as glass; fewer in number than in ordinary kinds of Celery, but making full weight by reason of width and thickness. An elegant winter keeper for home or market. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

COLUMBIA

A valuable Celery to follow Golden Self-Blanching. Stored at the same time, it will be ready just as soon as the Golden Self-Blanching is gone. The stalks are broad and thick, almost round, solid and of the highest quality, and very attractive in appearance. The foliage is of a distinct light shade of green with a tinge of yellow. The plant is of medium height, blanch-

THE HOLMES - LETHERMAN

Holco
QUALITY

SEED COMPANY, CANTON, O.

SWEET CORN

Use two pounds for 600 hills
12 to 16 pounds to the acre

Sweet Corn always does well on sod land, or where clover has been turned down. Plant when danger of frost is over, in hills 2 x 3 ft., according to variety. Give frequent and continued shallow culture. Leave 2 or 3 stalks to the hill, and make successional planting until nearly mid-summer. Cover seed with an inch of soil.

IMPROVED GOLDEN BANTAM

The Best, the Largest, the Sweetest of all Early Sweet Corns, Retaining Its Delicate Tenderness Even When a Little Old.

There is no Corn that has been introduced that has won so much popularity as Golden Bantam until the introduction of the Improved Golden Bantam, which is the result of a cross between Golden Bantam and White Evergreen.

Realizing the importance of keeping the sweetness, earliness, size of grain and the hardness of the Golden Bantam and at the same time producing an ear the size of White Evergreen, that would be more profitable to the market gardener as well as to the home gardener. We have been very fortunate in producing a small lot of this corn from a market grower who has made sweet corn a study for years.

IMPROVED GOLDEN BANTAM produces a large stalk, as well as an average of two large ears measuring from 8 to 9 inches in length with ten or more rows of large grains. The corn is of strong growth and the large ears are well filled and the grains are exceptionally sweet. The grains are as sweet as the original Golden Bantam, yet remaining soft and tender for a longer period than any early sweet corn. Last year the demand exceeded the supply and we were obliged to refuse many orders. Price, pkt. 15 cts., 1/2 lb. 35 cts., 5 lbs. \$2.75, postpaid; 100 lbs. \$40.00.

HOLMES' PREMO

Large-Eared Early Sweet Corn

Ready for the table in 60 days. Must be planted fully as early as the Adams. The young plants stand light frosts, where the other varieties are tender, the seed will not rot when planted before the soil becomes warm. The stalks grow about 5 ft. high, and bear two uniformly-sized, finely-appearing ears, 7 to 9 in. long, to each stalk. Holmes' Premo is of the best quality. The ears are well filled to the very tip. Price, Pkt. 10 cts., 1/2 lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

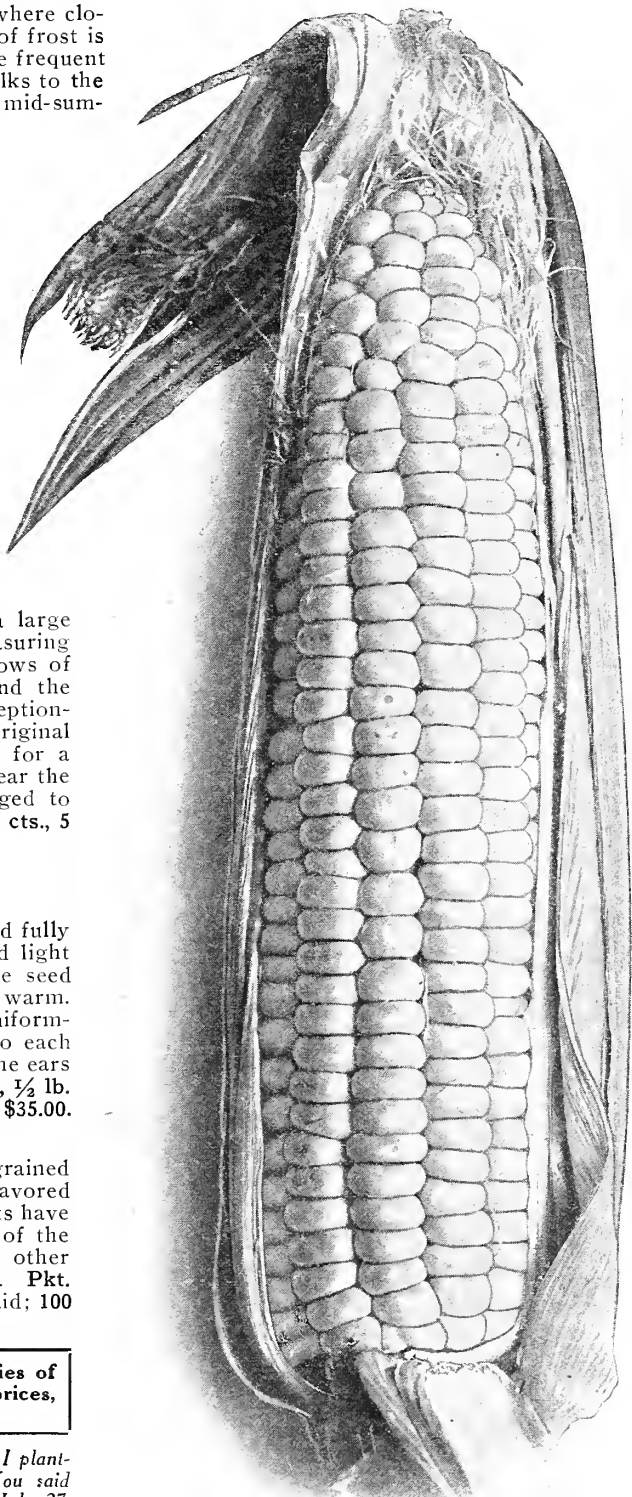
GOLDEN BANTAM

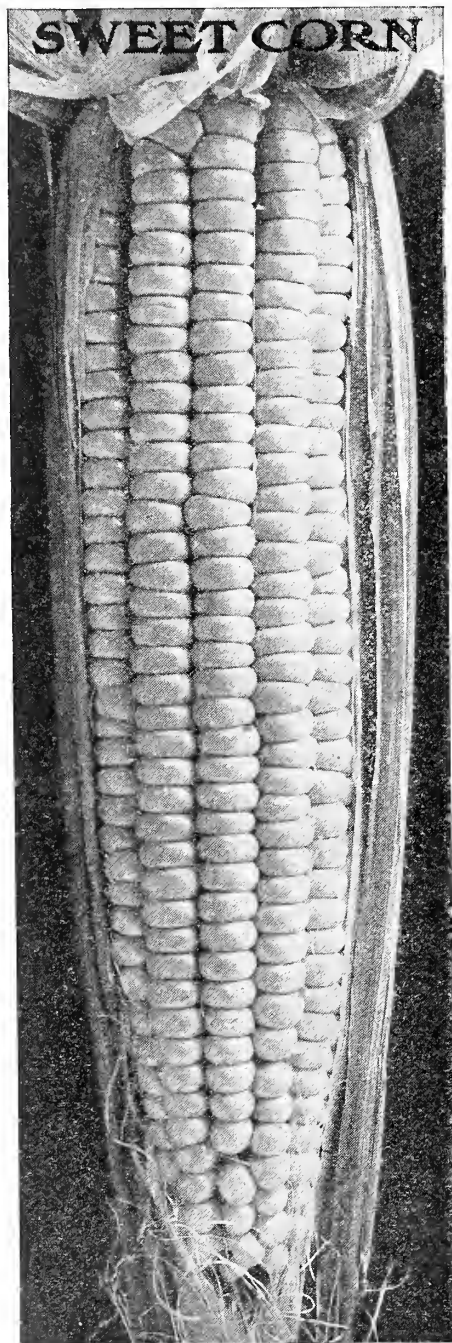
Earliest, hardiest and sweetest deep, yellow-grained variety. Golden Bantam is actually the finest flavored of all Sweet Corns. Can be planted thickly; stalks have 2 or 3 ears. On account of the firm substance of the cured grains, can be planted earlier than any other Sweet Corn, which, in itself, is a valuable quality. Pkt. 10 cts., 1/2 lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

Please Notice If you want larger quantities of Corn, write us for special prices, stating quantities wanted.

J. G. Exline, North Industry Rd. — "On April 30, 1918, I planted a lot 50x120 ft. in Golden Bantam Sweet Corn. You said the seed tested 75%. It must have been at least 90%. July 27, I sold from the first picking to the amount of \$32.07. In all I have used and given away at least \$10 worth of delicious corn, besides total cash sales of \$52.81, and have a nice lot of fodder yet to sell. I'm going to stick to Golden Bantam."

Not less than 10 pounds at the 100-pound rate. One hundred-pound prices do not include transportation.





HOWLING MOB.

GOLDEN CREAM

Golden Yellow Country Gentleman Sweet Corn, very popular on account of its delicate flavor. Stalks grow about 5 ft. high, bear two ears. Kernels are long and pointed; are borne on a very slender cob in irregular rows. Pkt. 10 cts., ½ lb 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

Not less than 10 pounds at the 100-pound rate. One hundred-pound prices do not include transportation.

HOWLING MOB

Large Eared Early Sweet Corn.

Originated in Ohio. Ready to use within 3 to 5 days after Early Corry when both are planted at the same time. Ears measure 7 to 9 in., with 12 to 14 rows of good size. Stalks are strong and vigorous, growth 4½ to 5 ft. in height, having abundant foliage. generally producing 2 fine ears to a stalk. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

PEEP O'DAY

Very early. Sweet and delicate in flavor. Single plant bears from 3 to 4 ears. The ears are small, 6 in. in length, kernels white. Stalks grow 3½ to 4 feet in height, having light foliage, therefore may stand close together. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

MAMMOTH WHITE CORY

An early corn. Grains large and white and of remarkably good quality. The size gives it ready sale when the market is overstocked. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

EARLY MINNESOTA

Early sort. Stalks 6 ft. high, bearing 1 or 2 ears. Ears 8 in. long, 8-rowed; kernels broad, sweet, tender. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, 100 lbs. \$32.00.

KENDEL'S EARLY GIANT

Remarkably large in ear for a second early sort and extensively grown in some localities for the Market. The stalks are about five and one-half feet high. The ears are about eight to nine inches long, twelve rowed. The grain is white, rather broad and shallow, and the quality is very good. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

CROSBY EARLY

A 14-row second-early corn; ears 6 to 7 in. long; one of the best for the truck grower and home gardener. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

ADAMS' EXTRA EARLY

Earliest, hardy, not sweet. Grains white and the ear presents a fair and attractive appearance. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, postpaid; 100 lbs. \$20.00.

EARLY EVERGREEN

Earlier than Stowell Evergreen. Ears about 7 in. long, with 16 to 18 irregular rows, with very deep grains. Plants about 7 ft. high. Main-crop variety for home garden and market. Pkt. 10 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

BLACK MEXICAN

Corn cooks remarkably white, but the ripe grain is bluish black. Is tender and fine quality. Stalks about 6½ ft. high; ears about 8 in. long; usually 8-rowed. Pkt. 10 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

MAMMOTH LATE

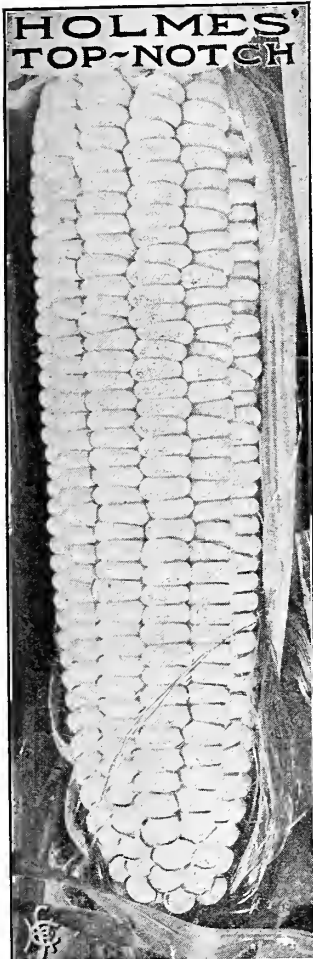
A large-eared variety. Produces mammoth ears which are thick through, with large, broad grains of excellent quality. Pkt. 10 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

H. A. Beaver, N. Y.—"Your Big Boston Lettuce was a hummer. Ship me 70 lbs. March 1."

Mrs. J. W. Imhoff, Ashland County.—"Had a nice lot of Queen's Golden Pop-Corn from seed purchased of you."

Holmes' Top Notch Sweet Corn

A second-early variety. Ears carry an average of 14 rows of fine, large, deep, white, very sweet grains, which are tender. The stalk is strong, sturdy, of medium height; the leaves broad, green in color, which give it endurance during a dry time. Adapted for early trucking. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75, postpaid; 100 lbs. \$40.00.



COUNTRY GENTLEMAN OR SHOE-PEG

A mid-season Sweet Corn. Ears are large-size, frequently three on a stalk, giving great depth to the grains. Ears average 8 to 9 in. in length. For sweetness none surpasses this variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75, postpaid; 100 lbs. \$38.00.

WHITE EVERGREEN

Ears as large as those of Stowell's, is about 5 days earlier. Its most valued feature is the whiteness of the grain. Stalks 7 ft. in height, ears contain 16 or more rows of deep grains. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, postpaid; 100 lbs. \$35.00.

STOWELL'S EVERGREEN

Standard main-crop variety. Hardy, productive, very tender, sugary, remaining a long time in condition. Our stock has been carefully grown and selected. Ears about 8 in. long, 14 to 20-rowed; stalks about $7\frac{1}{2}$ ft. high. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 100 lbs. \$32.00.

NARROW GRAINED EVERGREEN

A NEW LATE SWEET CORN. A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75, postpaid; 100 lbs. \$38.00.

POP-CORN

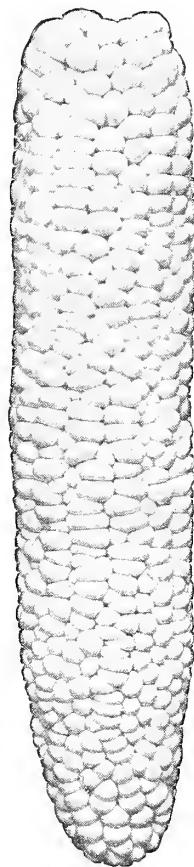
WHITE RICE

Stalks grow six feet high. Produces 3 or more ears on a stalk. The grains are sharply pointed. $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.50, postpaid. Write for prices on larger quantities.

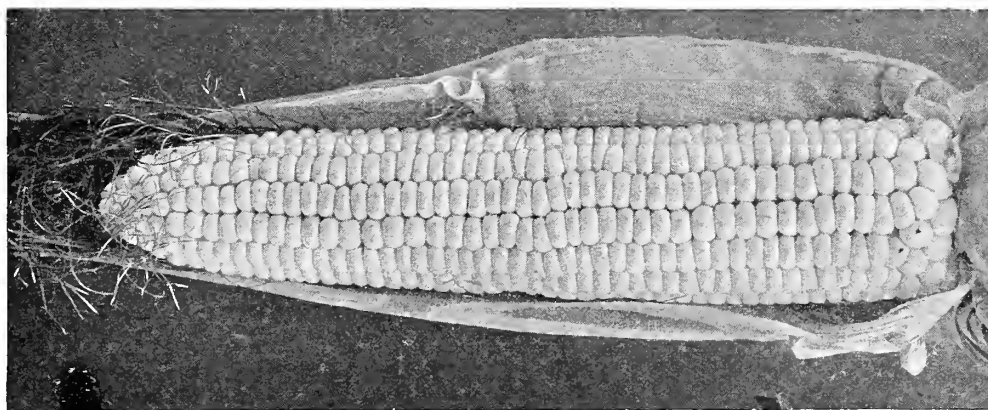
QUEEN'S GOLDEN

Most popular. Pops perfectly white. Produces 3 or more ears on a stalk. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, postpaid. Write for prices on larger quantities.

Mrs. L. E. Muckelburg, Wellington, O.—"I sent you an order for Garden Seeds last spring and had such fine results that I want to send you my order again this year. Kindly send me a catalog."



COUNTRY GENTLEMAN



NARROW GRAINED EVERGREEN CORN

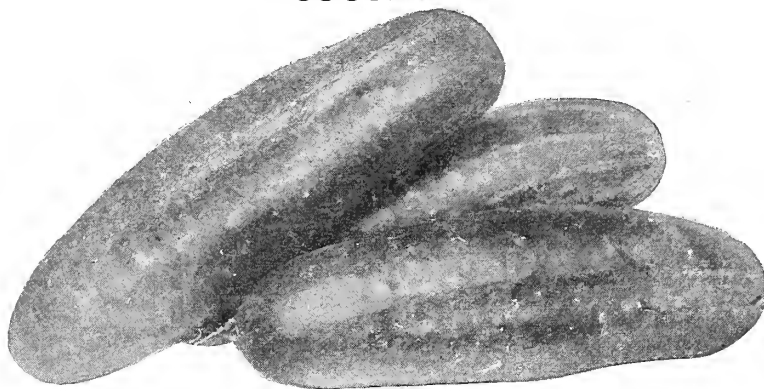
Not less than 10 pounds at the 100-pound rate. One hundred-pound prices do not include transportation.

Look inside of rear Cover Page.

CUCUMBER

One ounce will plant one hundred hills;
two pounds will plant one acre

Cucumbers should be grown in every garden, to furnish both large fruits for slicing on the table and small young fruits for pickling. In most sections it will be best to make two sowings: one as early in the spring as the weather permits, to supply fruits for the table during the summer months, and a second, about the last of June or first of July, to furnish fruits for fall use. This late sowing will give also the best supply of young fruits for pickling purposes; the cool fall months are the best time to put them down for winter use. The small-fruited extra-early varieties are especially adapted for a cool northern location, or to produce the small pickles commonly known (but wrongly!) as Gherkins. These smaller fruited extra-early varieties are not so satisfactory for the table in warmer localities, as the fruits quickly become old and develop a large number of seeds. Our seed is grown from selected stocks, and can be relied upon to produce smooth and uniform fruits. When ordering, ask for our Culture Leaflet.

ARLINGTON PERFECTED WHITE SPINE CUCUMBER

ARLINGTON PERFECTED WHITE SPINE CUCUMBER

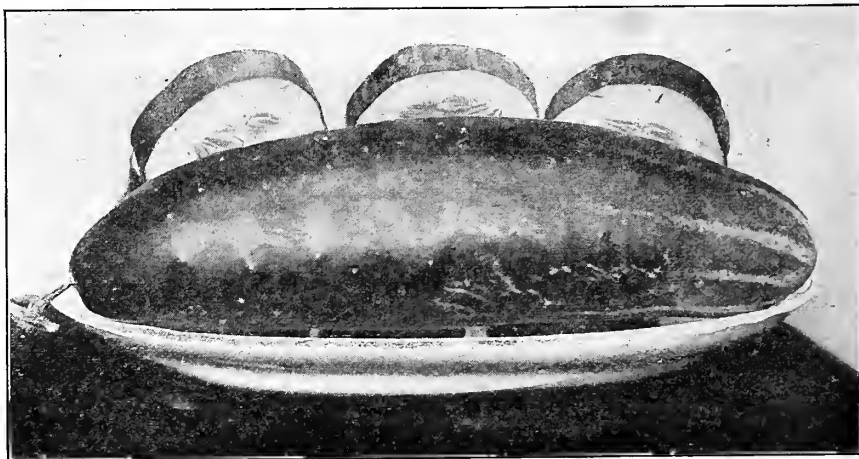
KLONDYKE

Excellent Table Sort.

A hybrid sort of the White Spine type, which holds its dark green color longer than most other sorts. Averages 6 to 7 in. in size; ends are quite square and it is about 2 in. thick. Its extreme earliness, combined with its prolific and hardy qualities, make it a very desirable variety for either market or private use. An excellent sort for slicing. When small, this variety is also an excellent pickling sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

DAVIS PERFECT

The originator states that he experimented several years in trying to get an improved strain of Cucumber for forcing under glass and outside culture. The Cucumbers are a good shipper, rich dark green, about twelve to thirteen inches in length, slender, slightly tapering, straight on under side, slight hump on upper side, shy seeders, very tender, of fine flavor. Vines vigorous and able to withstand unfavorable weather, better than most varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



DAVIS PERFECT CUCUMBER

Extra Early—Prolific—The Finest For Slicing

The fruits are nearly cylindrical in form, slightly pointed at the ends, perfectly smooth, of deep rich coloring, marked with distinct white lines at the blossom end. They are of extremely handsome and attractive appearance. Vines are vigorous in growth and enormously productive. Fruits retain their dark-green coloring and crisp freshness longer after picking than any other variety, excepting only the Early Fortune. They retain also their fine quality even after the seeds are well formed. Splendid as table cucumbers and for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50, postpaid.

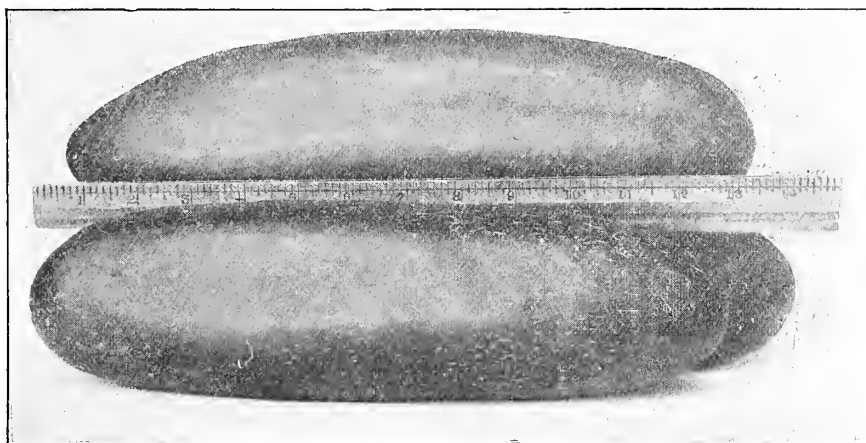
EARLY FORTUNE

Earliest—Rich Dark Green

We believe we have the most uniform shaped, dark-green cucumber grown. It is equally good for forcing, and as a slicer, in our opinion, has no superior.

It is very popular with home gardeners, and equally so with market gardeners and anyone desiring cucumbers, holding their dark-green color until maturity.

If you do not grow this variety you should do so and give yourself one of the choicest and best varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



IMPROVED LONG GREEN CUCUMBER

Fine Cucumber, grows from 12 to 14 inches in length, and is of superior quality. The young fruits are very largely used for pickling, a standard sort for that purpose. Full-sized Cucumbers are in high favor for making the so-called sweet pickles. Vines are strong growers, while a shy seeder, the fruit is always produced in great abundance, making it one of the most productive varieties in cultivation. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

EXTRA LONG OR EVERGREEN WHITE SPINE

One of the very best white spine Cucumbers, due to its length, which oftentimes will be ten to twelve inches from end to end. Vines vigorous and strong, producing a heavy crop of fruit, which are smooth, dark, shiny green until a late stage of maturity. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

JAPANESE CLIMBING. Good variety for training to a trellis. Form long fruit of rich dark green color. The flesh is white, crisp, good flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

WEST INDIA GHERKIN. Extremely small fruited variety, grown exclusively for pickles. Has no value for slicing. Very prickly, but tender and crisp if pickled when young. Seed germinates slowly. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

CUCUMBERS--*For Pickling*

CHICAGO PICKLING. This is one of the best and most prolific for producing pickles of medium size, both for home use and market. The vines are extremely vigorous and healthy, yielding a large number of fruits if kept gathered at the proper stage. Skin extremely thin, tender, and free from toughness when pickled. Fruits are of excellent table quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

SNOW'S PICKLING. An early maturing, very small, dark green Cucumber, cylindrical, square ended, and popular with growers for small pickles. We have been giving special attention to purity and uniformity of type and we believe the seed we offer meets in all respects the requirements of those who want an ideal bottle pickle. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

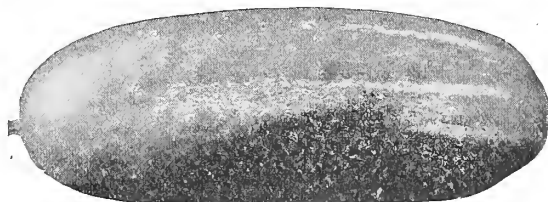
EARLY CLUSTER

This medium sized, bright-green variety, is one of the most prolific of our Cucumbers. Combined with extra earliness and productiveness, it is a strong, rugged grower and a continuous producer. Owing to its early maturity and thrifty growth, it will withstand unseasonable weather and produce good crops under adverse conditions. Not quite so large in size as some of the standard pickling varieties, yet it makes one of the very best varieties for home use or for growth as a standard pickle sort. Can be used for slicing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

COOL AND CRISP. Fine garden Cucumber, deep green, crisp. White Spine type, pure white when ripe. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

EXTRA - EARLY GREEN PROLIFIC OR BOSTON PICKLING

This is a very prolific variety, largely grown for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



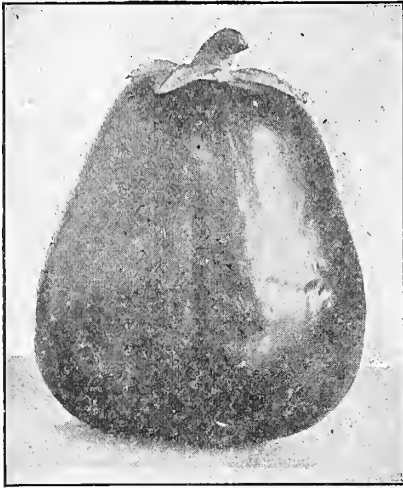
BOSTON PICKLING

EVERBEARING. Very early prolific. Fruits 4 to 6 in. long, quite thick and blunt at the ends; rich dark-green color. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

SHORT GREEN OR EARLY FRAME. Very desirable variety for either pickling or table use. Fruit straight, small at each end; bright green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

The more attention your garden gets the better you will be repaid.

EGGPLANT One ounce of seed for 2000 plants ¼ pound to an acre



BLACK BEAUTY EGGPLANT

Sow seed in March in hotbeds, and when 3 in. high transplant into small pots or otherwise. Plant outdoors after the weather has become permanently warm. The rows should be 3 ft. apart and the plants set 2 ft. apart in the row. Hoe frequently to keep soil loose and fine.

BLACK BEAUTY EGG PLANT

While the Eggplant is naturally tender, the plants of this variety are remarkably healthy in their growth, and produce an abundance of large fruits fully ten days earlier than the New York Improved. The skin is of rich purplish black, making the fruit very attractive in appearance. Entirely spineless. The quality is all that could be desired, and the fruits are solid, tender and of excellent flavor. Make a good show on the market-stall, always bring good prices. Pkt. 10 cts., oz. 75 cts., ¼ lb. \$2.00, lb. \$7.00.

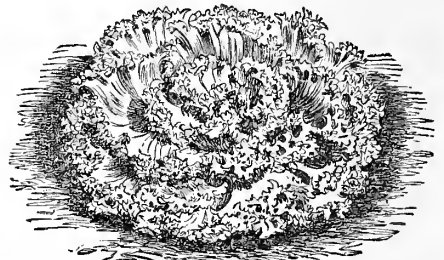
NEW YORK IMPROVED PURPLE

The leading sort for home and market. Plant is a vigorous grower. Fruit large, fine and free from thorns, and produced until frost. Skin rich purple. Flesh white and of good flavor. We can highly recommend this carefully selected strain of Eggplant to market gardeners and amateurs. Pkt. 10 cts., oz. 65 cts., ¼ lb. \$2.00, lb. \$6.50.

ENDIVE An ounce of seed to 300 feet of row drill 4½ pounds to an acre

Sow in shallow drills in April for early use, or for late uses in June or July. When 2 or 3 in. high, transplant into good ground or thin out to 1 ft. apart. Sometimes called Chicory.

	Pkt.	Oz.	¼lb.	Lb.
Green Curled. The most popular variety.	\$0.05	\$0.20	\$0.60	\$2.00
White Curled. The most attractive in appearance, very crisp	.05	.20	.60	2.00
Giant Fringed. Has a large white heart--	.10	.25	.75	2.50
Broad-Leaved Batavian (Escarolle). Broad, thick leaves	.05	.20	.60	2.00



WHITE CURLED ENDIVE

J. J. Richards, Ohio.—"The seeds ordered I am well satisfied with."

KALE or BORECOLE One ounce will sow a drill 150 ft. long; three lbs. will sow an acre.

DWARF GREEN CURLED SCOTCH. Should be sown during June and transplanted later for use during fall, winter or early spring. Plants are hardy above zero. Flavor is best after being exposed to frost. For this reason, the crop from summer sown seed is preferable, although it is often used in summer. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

DWARF SIBERIAN. Rather coarsely curled leaves, but very tender and of delicate flavor. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Mrs. R. E. Donelson, Ashland, O.—"Was well pleased with your seed."

KOHL-RABI One ounce of seed will sow 300 feet of drill; four pounds to an acre

EARLY WHITE VIENNA

A singular variety of Cabbage with a Turnip-like bulb which forms immediately above the ground; flavor of both Turnip and Cabbage. Should be in every garden. Pkt. 5 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.

EARLY PURPLE VIENNA.

The outside color is purple; flesh white and delicate. Pkt. 5 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.

C. L. Schlott, Louisville, O.—"I found your seeds all O. K. Will be back next season."

ORKA or GUMBO 1 oz. of seed to 100 ft. of row; 8 lbs. to an acre.

Culture. Sow late in the spring, after the ground has become warm, in drills 3 ft. apart, where the plants are to remain. Thin out to from 9 to 12 in. Should be well manured. May also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked while small and tender.

WHITE VELVET. White pods; smooth and velvety in appearance. Lady finger. Long, slender pods. Pkt. 5 cts., oz. 10 cts., lb. 25 cts., lb. 75 cts.

DWARF GREEN PROLIFIC. Short, thick pods. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

PERKINS' MAMMOTH. Fine strain; very long pods. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

LETTUCE

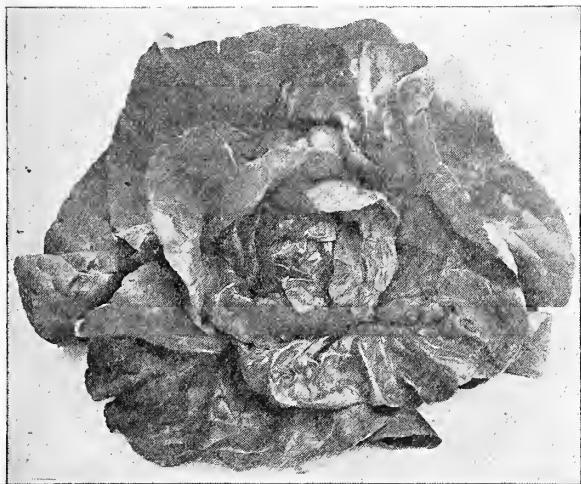
One ounce will sow 300 feet of drill
four to five pounds for an acre

Start the seeds in boxes, frames or borders, and transplant once or twice, giving a space of 7 x 7 in. up to 12 x 12 in., depending on variety, for final development. Extra-rich, mellow ground, the highest culture and sufficient moisture are demanded for the best results. Lettuce is hardy, but makes little growth when the mercury is below 40 degrees. When much above 65 degrees the plant quickly becomes drawn out of shape. Sow shallow.

Our Leaflet "Lettuce Culture for the Home and Market" sent free if asked for.

CABBAGE OR HEADING VARIETIES

Big Boston Lettuce



BIG BOSTON LETTUCE

This variety is very popular for outdoor culture, with big, compact, creamy, buttery heads, is in demand more than any other variety.

Plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth, are wavy at the edge and crisp. In color they are bright green, head slightly tinged with reddish brown, the interior leaves blanching to a creamy white, tinged with light yellow.

It heads up under cold weather conditions better than any other variety. Always brings a good crop and is grown very extensively in the South for shipping North.

We heartily recommend our stock of Big Boston and we believe that the Seed we offer is the best obtainable.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50. Postpaid.

Mr. Chas. White, Colorado.—"Your Big Boston Lettuce has come truer to type as well as being harder heading than any I have had for some time. Enclosed find order."

J. T. Hammer, N. H.—"I am enclosing order for Lettuce. Have found your seed first-class in every way; they have given me the best of satisfaction."

A. McInnis, Newark, N. J.—"Your Big Boston Lettuce is much praised here. It grows to a large size, keeps well, is crisp and of good flavor."

John Dunlap, Columbus, O.—"We prefer your Big Boston Lettuce to any other. Every plant heads up, and they are all solid."

Frank Meyers, Bradentown, Fla.—"My lettuce is great. I think your Big Boston Lettuce is the finest I ever saw. The heads are so large and solid."

Grand Rapids Lettuce

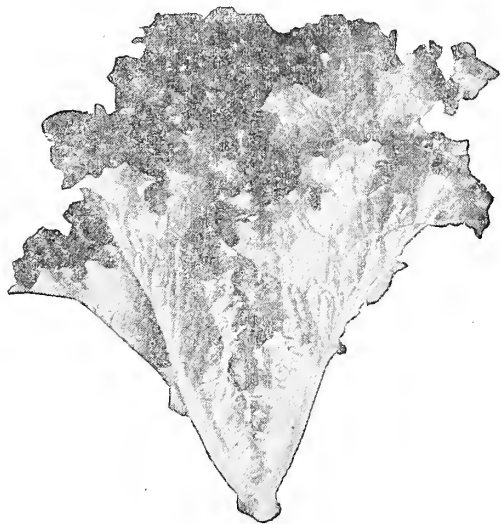
(Special Strain.)

Probably the best of the loose-leaved varieties. Never forms a head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic tenderness and brittle character. Moreover, the flavor, even of the outside leaves, is fully equal to that of the heart leaves of many heading varieties. We strongly urge those who cannot succeed in getting Lettuce to head to grow Grand Rapids. The plant may be cut whole, or the outside leaves may be removed, leaving the younger ones to grow, thus forming a continuous crop in the garden. Owing to the fact that the lower leaves grow upright and clear of the ground, it rarely suffers from rot, and is therefore more largely grown for forcing than any other sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50. Postpaid.

Homer Dulabahn, Canton, O.—"Your Grand Rapids Lettuce is a fine strain. I find no straight leaf stalks. Our beds are a sight to look at."

S. Schisler & Son, Beach City, O.—"We find your Grand Rapids Lettuce true to type and grows even and strong throughout the beds."

W. H. Weinschenk, New Castle, Pa.—"We had your strain of Grand Rapids Lettuce last year and find it very good."



GRAND RAPIDS LETTUCE.

LETTUCE — *Cabbage or Heading* NEW YORK

Immense Heads as Solid as a Cabbage. Blanches Beautifully. Crisp, Tender and Free from Bitterness.



NEW YORK LETTUCE—A very desirable variety for summer sowing

ALL-HEART.

Introduced several years ago, this splendid variety of head-lettuce has continuously grown in the favor of both private and market gardeners who have grown it, and is the most reliable hard-heading lettuce ever introduced—far superior to all other varieties of cabbage-lettuce. It is adapted to both spring and summer use, as it withstands intense heat and forms magnificent large heads with leaves closely set, extremely solid heart, even before it is half grown. The color is a beautiful yellowish green, and the flavor is excellent, being rich and buttery. This is the very best Lettuce for the private garden. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

ALL SEASONS

Called an Improved Deacon. An excellent variety; does exceedingly well in hot, dry weather. It is medium large in size and of an attractive appearance, having large, broad leaves of a light-green color. The inner leaves are beautifully bleached a rich golden-yellow; extremely solid heads, never spotted nor brownish; sure heading, very slow to run to seed; tender and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

CRISP-AS-ICE.

A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name Crisp-As-Ice. Glossy leaves are thick, nicely crimped and curled; outside leaves are beautifully variegated with dark bronze and green. Heads when cut open, have a rich, creamy yellow heart. A superior family and home market lettuce. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

ICEBERG

Large-heading variety; crisp and brittle, color bright green, lightly tinged with brown on top of the head; leaves curled on the edges. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Produces immense heads, often 15 and 16 in. across, and weighing enormously. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. A very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to run to seed and a sure header under most trying conditions. The outer color is of a distinct apple green. Introduced a number of years ago, and it has been extensively grown in almost all sections of the country and from whom we receive most gratifying reports. As a standard main summer crop, hot weather lettuce; in every way desirable; has no equal; is not recommended for forcing (See engraving). Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

MAY KING

Extremely early variety, forming fine hard heads within a few weeks after planting. Medium sized, light green, with buttery but crisp heads. Has just a faint tint of brown on the head. We have had no end of praise from our friends and customers who have tried this variety. Essentially a spring sort, and does well all summer. Being of rapid growth, quick heading, it is especially recommended for home garden; is universally esteemed. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



MAY KING LETTUCE

DENVER MARKET

Handsome variety, forming tight conical heads. Leaves are very deeply savored, and even, outside leaves are tender and crisp. Color is light green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

CABBAGE LETTUCE—*Butterhead Varieties***HANSON**

The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. It matters not whether grown to head in the early spring or in the hottest days of summer, the leaves are always crisp and tender. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00 postpaid.

SALAMANDER

It is decidedly a butter variety, strictly cabbage-heading, large to medium in size, maturing in about 70 days, and standing well before shooting to seed. The color is light green, never spotted or brownish in any part; quality excellent and highly recommended for both private and market-gardens, being of a very sweet flavor, a sure and reliable header, an excellent shipper and good seller. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

DUTCH SPECKLED BUTTER

Solid heads of leaves are dotted with brown. Very hardy, well large size; white, tender, crisp, of good flavor. Outer adapted to culture in cold frames in winter; also suitable for forcing or for open air culture. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

DEACON

Large cabbage variety, having thick, bright-green leaves; forms a large, buttery head; very bright golden-yellow inside. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

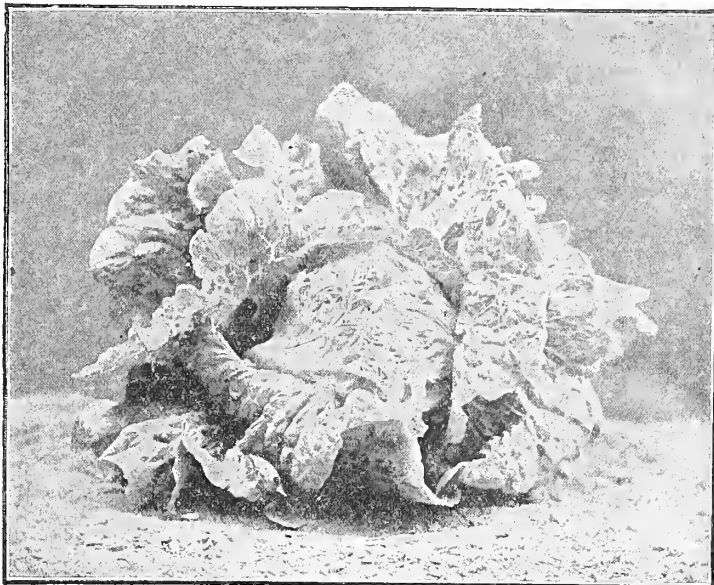
LETTUCE—*Curled or Loose Leaf Varieties*

BLACK SEEDED SIMPSON. Bunching variety, forming no definite head. Has large mass of fine brittle leaves of a light-green attractive color. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

EARLY CURLED SIMPSON. Loose-bunching sort, forming no definite head. Crisp, tender; light-green in color. Very hardy, easy to grow for home, garden or market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

THE MORSE. Large, loose-bunching non-heading variety, forming a large bunch of leaves which are very crisp. Fine flavor. Color is light green very attractive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

PRIZE HEAD. One of the very best loose-bunching or non-heading varieties. Leaves brown, very curly, of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. Is probably the most easily grown lettuce in cultivation. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



HANSON LETTUCE—Crisp, mild, and tender; fine for open garden.

CALIFORNIA CREAM BUTTER

Very popular variety for autumn and winter use. Forms a very large head, which is very buttery, of a rich golden-yellow inside. Leaves are thick, bright green, slightly tinged with brown on top of head, the outer leaves are slightly spotted with inconspicuous brown spots. Easy to grow, good shipping variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25. --

Margaret B. Smith, Guy Mills, Pa.—"Having tested the seeds I ordered, find them all fine and so I have decided to place another order."

Cos or Celery Lettuce, Romaine

The Cos Lettuce or Salad Romaine is of distinct upright growth and esteemed for its fresh crispness and mild flavor. It is grown in the northern states during the late spring and early summer; throughout the Gulf Coast States it is grown for use during the cool early spring months.

PARIS WHITE COS. The growth is erect, about ten inches in height, the outer leaves being well folded toward the center. The interior leaves are blanched to a snowy white; very crisp and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

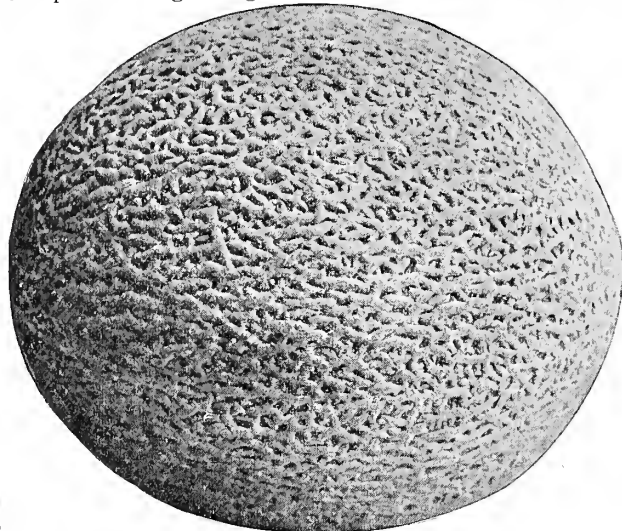
LEEK One ounce of seed to 150 feet of drill; 4 pounds will sow an acre

Sow in the early spring in drills 1 in. deep and 12 to 18 in. apart and transplant to permanent rows, 10 in. apart each way.

LARGE AMERICAN OR LONDON FLAG. A variety similar to, but larger than the old London Flag. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

MUSKMELON—One ounce to 60 hills; two to three pounds to an acre

Plant seed in hills 4 to 6 ft. apart each way, after danger of frost is over. Use well-rotted manure in the hills. Insert seeds just under surface of soil; thin out, leaving only four plants to a hill. A light, warm soil is best, but there are varieties adapted to heavy loams, if well drained. In hoeing draw the soil well up to the plants. Fight bugs with tobacco dust, Slug-Shot, air-slacked lime or Bug Death. See page 80.



DELICIOUS GOLD-LINED ROCKY FORD
ROCKY FORD OR NETTED GEM.

The variety that has made Colorado famous for its luscious Rocky Ford melons. The skin, green, turning to a peculiar gray color when the melon is fit for shipping. The flesh, green in color, and so sweet and luscious that it may be eaten close to the rind. The melon should have a small seed-cavity, and the portion of the flesh immediately surrounding it be slightly tinged with yellow. The melon should weigh about one and a half pounds and be very solid and firm. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

JENNY LIND

The earliest of the green-fleshed sorts, one of the sweetest. It is round or flattened at the ends, and small, being from 3 to 5 in. in diameter. The vines are very prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

OHIO SUGAR

The flesh is an attractive green, sugary, juicy, tender, entirely free from any stringiness. Handsome and uniform shape; sweet and luscious clear to the rind. Has become a popular market and home-garden melon. Produces good melons on all soils. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

ORANGE FLESHED VARIETIES

HOODOO

There is no better melon than Hoodoo. Excels in uniform size, closeness of netting, roundness of form, tough rind, blight resistance. Flesh is of fine grain; sweetest flavor. More round than Rocky Ford, a fine feature in packing for shipment. The flesh is of deep orange color and extremely thick, there being only a small seed cavity. Netting is heavy and close; melon solid, heavy, and firm at the blossom end. A wonderfully prolific melon, which nearly always produces a fine quality melon quite early in the season. Originator's stock. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

DELICIOUS GOLD-LINED ROCKY FORD

Sweetest; Most Delicious

This early green-flesh melon has proven all we claimed for it. Its popularity has increased and our sales have far exceeded our expectations. We have carefully inspected every strain and type of Rocky Ford Canteloupe, and we believe this to be the very best type for all purposes, that there is in existence. It is an ideal crate melon, fruits all being uniform throughout the fields, and loss from undersize and oversize is very small, and its quality can not be excelled. Medium size, solid net, gold-lined next to a small seed cavity, excellent quality, vines hardy, thrifty and rust-resistant. Our seed is made up of the highest class of selected fruits. A wonderfully prolific yielder, producing its melons 10 days to 2 weeks earlier than the Rocky Ford. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, prepaid.

EXTRA-EARLY HACKENSACK

The fruits are very early ripening, medium to large-sized, nearly round, evenly and deeply ribbed and with very coarse netting. Skin is green, slightly tinged with yellow as the fruits mature. Flesh is green, juicy, sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

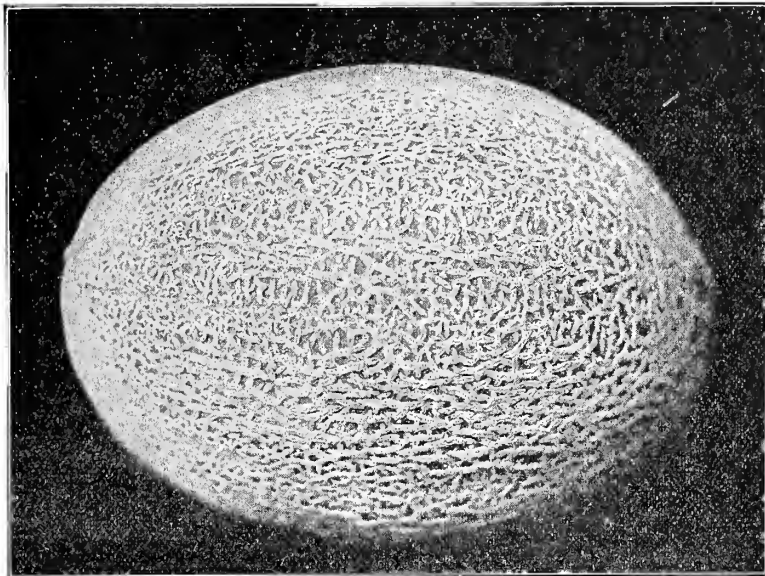
HONEY DEW MELON

The fruits are of medium size, round or slightly oval, with smooth, very firm light-green thin rind, measuring five to six inches in diameter by seven to eight inches long. The light-green flesh is thick and sweet, resembling a well ripened banana. To have the melon in best condition we suggest gathering as soon as they slip from the vine, and store in a cool place for two or three days before serving, as they apparently are at their best when a trifle over-ripe. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Remember, there's an entirely new and delicious flavor in Honey Dew melon, different from every other melon.

TIP-TOP.

Fine, nearly round in shape, and always sells quickly in the markets. Sweet, juicy, delicious. Flesh is orange color, firm but not hard, is edible almost to the rind. Medium to large size, evenly ribbed, moderately netted; a strong grower, heavy yielder, of handsome appearance. This melon has been grown for a number of years by market-gardeners around Rochester, N. Y., also Columbus, Ohio, and has proved superior in every way. Its appearance on the market-stall is very attractive, and it sells on sight. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

SOLID NETTED BURRELL'S GEM Fully Equal to the Rocky Ford

SOLID NETTED BURRELL'S GEM—A High-Quality Orange Colored Canteloupe

PAUL ROSE OR PETOSKEY

The thickest fleshed yellow or salmon-colored muskmelon, of delightful flavor. Good shipper, a fine melon for market purposes. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

MILLER'S CREAM OR OSAGE

We have a most excellent strain of this popular variety. A field of our strain of Osage is a sight well worth the time and expense of any grower to see. This has been one of the most popular varieties for certain sections, and while it has been on the market a great many years, it still retains its popularity. The melon as selected today differs from the original type in having more netting. Very prolific, fair size, egg-shaped fruits, slight silver netting, thick orange flesh, fine grained and of spicy flavor; one of the best medium-sized melons for home growing and market gardeners' use. Pkt., 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

BANANA

Skin is long cucumber shape; flesh orange; delicious flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

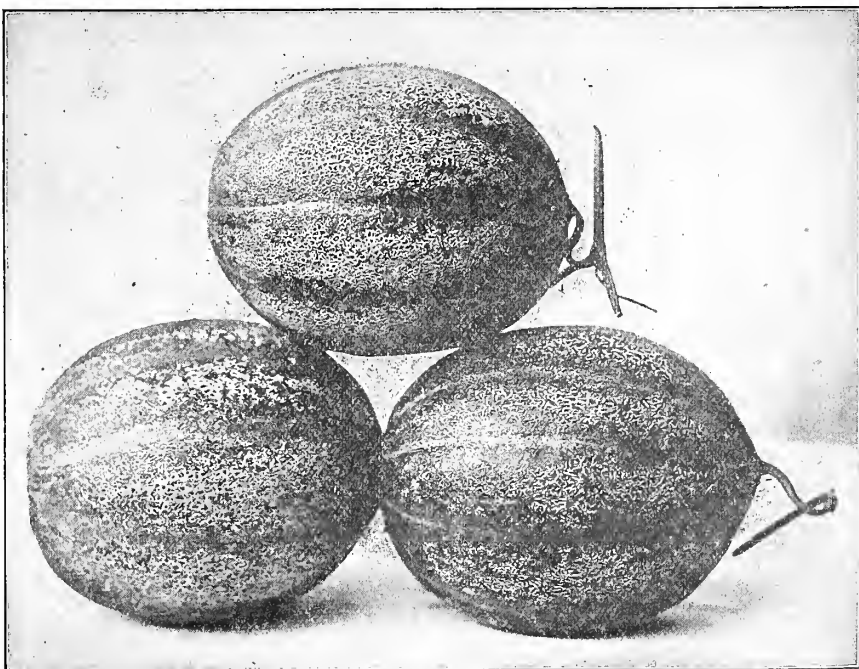
This new muskmelon may be called an orange fleshed Rocky Ford with solid netting, which is quite different from the original Burrell's Gem. By careful breeding the ribs have been reduced in size until now they are almost solid netted. The oval shaped melons are well shown in the illustration. They are very thick fleshed, fine grained, rich orange colored, sweet and spicy. For a shipping melon, they pack ideal, both for size and shape, and for market where a pink or orange fleshed melon is wanted, we recommend Solid Netted Burrell's Gem, and for the home garden, it is one of the best orange-fleshed sorts. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50 prepaid.

EMERALD GEM.

Early, prolific. Ribs are marked, but the skin is smooth, of a deep emerald-green; flesh is thick and firm, ripening almost to the rind, richest flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

FORDHOOK

One of the best home-garden melons; of small size, globe-shaped, flattened at the ends. Roughly netted, while the skin showing through the netting is emerald green. The flesh is rich salmon in color, very solid and of delicious flavor. The rind is extremely thin and the seed cavity unusually small. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

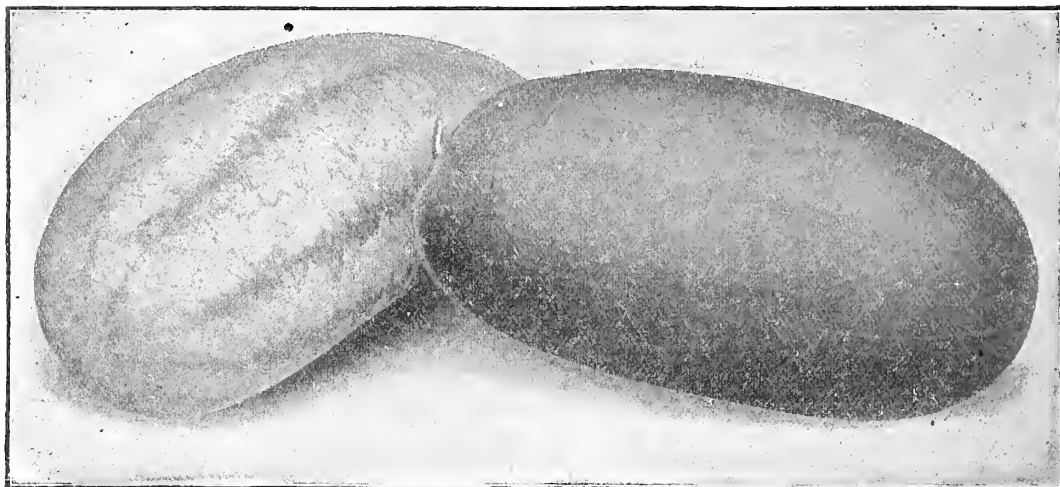


MILLER'S CREAM, OR OSAGE MUSKMELON

WATERMELONS

One ounce of seed will plant thirty hills;
three to four pounds of seeds to the acre

Watermelons do best on light, well-drained soils, but there are varieties adapted to heavy loams. The hills should be 8 ft. apart each way, with some well-rotted manure in each hill, thoroughly incorporated with the soil. Plant the seed as soon as the weather is really warm and settled. Allow two or three plants to remain in each hill. Fight bugs with Bug Death.



HALBERT HONEY

HALBERT HONEY

The finest of all watermelons for the home garden and for local markets. Halbert Honey is superb, luscious flavor with dark, rich colored skin. Vines are of strong, vigorous growth and set fruits very freely. The melons average 18 to 20 in. long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is crimson and extends to the thin rind. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

KLECKLEY SWEETS

Sweetest of all Watermelons, has a very luscious flavor. Skin is too tender for fruits to be shipped, is most desirable to plant for home use or nearby markets. Fruits are oblong in shape, dark green skin, thin rind, flesh scarlet, with broad solid heart, the white seeds are placed close to the rind. Flesh most crisp, sugary, and melting. Melon ripens quite early. We consider it a most desirable variety for the home garden. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

TOM WATSON

TOM WATSON

Most popular of all shipping melons. A long, dark, mottled-green melon, which at times grows exceptionally large, often weighing from 50 to 60 lbs., at the same time one of the most prolific melons in cultivation. A most excellent shipper for long distances, although the rind is thin. Flesh is of most superb quality and deep red in color. Extends to within ¾ of an in. of the green rind, and is of a good flavor. Heart large with no sign of core. We have secured a fine lot of direct headquarters seed. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

HARRIS' EARLIEST.

Fruits exceptionally large for so early a variety, slightly oval, with irregular mottled, broad striped of light and dark green; flesh bright red, sweet and tender; seed black. The vines are vigorous and productive. One of the best varieties for northern latitudes. We are convinced that it is the very best first-early melon for the home garden. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

GENERAL LIST OF WATERMELONS

Prices, any of the following varieties: Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts.

STRIPED GYPSY or GEORGIA RATTLESNAKE

Oblong, dark and striped; bright red flesh; sweet flavor.

DIXIE

Early; productive and of fine shipping quality.

PHINNEY'S EARLY

Early and of fine quality; large; solid; red flesh. Oblong.

SWEETHEART

An early oval-shaped melon, light green mottled, with thick, tough rind. Flesh light red, solid, of fine quality and flavor.

EARLY FORDHOOK

Extra early; large, nearly round, skin tough; flesh red and very sweet.

PEERLESS OR ICE CREAM.

Fruit medium size, oval, bright green, finely veined. Flesh bright scarlet, crisp, tender and sweet.

COLE'S EARLY

Delicate in texture; fruit nearly round, of medium size, rind thin.

FLORIDA FAVORITE

Large oblong; flesh deep red, sweet and tender.

KOLB'S GEM

Fruit nearly round, rind dark green, somewhat marbled with lighter shades. Weight 25 to 50 lbs.

COLORADO PRESERVING CITRON

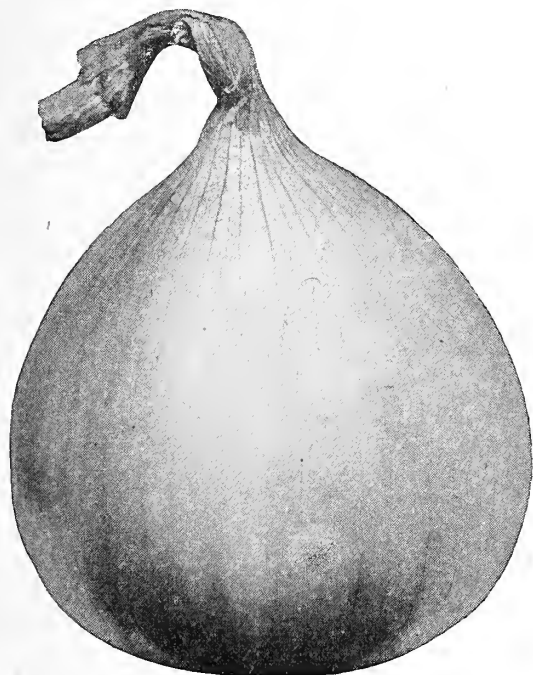
Excellent for making preserves.

ONION

One ounce for 200 feet of row ;
four to five pounds for one acre

For early green or bunching Onions sow seed of White Portugal or other hardy white varieties in early August, in well-prepared and well-drained rich, loamy soil, giving 1 ft. of space between the rows, and using 20 lbs. of seed to the acre. In many localities they winter well without mulch or other protection. For dry (fall) bulbs, select a clean, rich, well drained and well-manured pieces of land, prepare a perfect seed-bed, and sow seed in early spring in drills 15 in. or so apart. Use wheel hoe and weeders freely, and thin plants to stand at least 2 in. apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool, dry place. For sets, select clean, sandy soil of medium fertility, prepare it well in early spring, and at once sow seed in drills a foot apart, using 40 to 60 lbs. of seed to the acre. Gather the sets when ripe, cure and store in a dry, airy place. They may be wintered in a slightly frozen condition, but must be protected from repeated freezing and thawing. In early spring following, plant them in shallow drills, 12 in. apart and about 2 in. apart in the drills.

By sowing seed of the Spanish type, such as the Prize Taker and Southport Globes, under glass in January, February or even March, and transplanting in April to open ground, 3 to 4 in. apart in the rows, bulbs of immense size may be produced. Onion seed crop very short.



"HOLCO" OHIO YELLOW GLOBE ONION

From a Photograph

D. A. Yenny, Stark Co., Ohio.—"I never had better onions than what I purchased of you this last season."

PRIZE-TAKER (American Grown)

The handsomest, most productive, most popular and best of all Yellow Globe Onions. A bright, clear straw-color, always grows a perfect globe. A very small neck and ripens up hard and fine, flesh is pure white, fine grained, mild, delicate flavor. Of immense size, measuring from 12 to 16 in. in circumference. Sometimes called Yellow Spanish Onion. In market it never fails to attract attention on account of its beauty, and sure to bring a far better price than other onions. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Chas. Shaw, Monroe Co., N. Y.—"Your Ohio Yellow Globe onions are a hummer. I sold them for three-fourth cent more a pound than I did the Yellow Globe Danvers purchased elsewhere. Will use all of your seed for our 1919 planting. We want your strain Southport Red Globe."

"HOLCO" OHIO YELLOW GLOBE

Heavy and Solid—Enormous Yielders—
Keeping Qualities Unsurpassed

The most perfect strain of Yellow Globe Onion in existence. Early, sure cropper, largest yielder, long keeper. Mildest in flavor, attractive, handsome, bright, even color, ripens early and all at once; necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers and enormous yielders. This Onion is good for all classes of soil and on account of its quick maturing qualities we consider it to be the most valuable yellow onion for all markets.

As this is one of the most profitable market garden crops, needing a considerable outlay, too much care cannot be exercised in selecting the Stock Seed, the largest crop can only be obtained from planting most carefully selected seed. A few dollars an acre invested in seed of extra quality is many times made up in the crop raised from them.

Our supply of seed is grown in the State of Ohio under our own supervision, bulbs are inspected by us before planting. We can recommend this strain to the most critical grower. Pkt. 10 cts., oz. 35 cts., ¼ lb. 90 cts., lb. \$3.25.

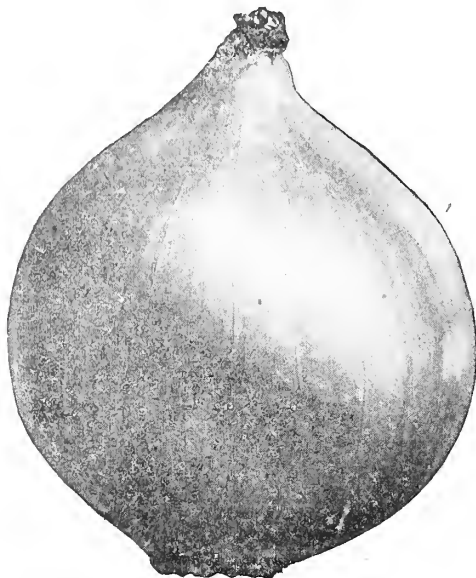
R. H. Carrahan, Kingston, Pa.—"We have used your special strain 'Holco' Ohio Yellow Globe for two years and have found it true to type and a strong, vigorous grower. Will want 100 to 150 lbs. 1919 planting."

Geo. Newcomer, Indiana.—"The onions from your seed were 60% better than any in this swamp. We want your 'Holco' Ohio Yellow Globe onion seed next year."

Isaac Mohler, Ohio.—"The vitality of your onion seed was better than any I had this year."

YELLOW GLOBE DANVERS

Handsome bright even yellow color, large in size, early and heavy cropper, very thick bulbs, slight depression from top to bottom, is a perfect sphere. Our Yellow Globe Danvers are selected to a high standard of perfection. When at maturity the tops disappear entirely, leaving the bulbs without neck, clean and solid. Why grow ordinary Onions when you can procure new 1918 crop seed from this wonderful strain of Onions at the following special prices: Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.25.



YELLOW GLOBE DANVERS ONION

WHITE PORTUGAL (Or *Silverskin*)

Bulbs grow to a good size, ripening early, somewhat flattened shape. Flesh is mild and sweet, the thin skin is silvery white. One of the best for slicing or boiling, also pickling. When seed is sown at the rate of 25 lbs. per acre it makes bulbs of suitable size and most desirable for pickling. Largely planted for producing white sets for early spring and late fall planting. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

EXTRA EARLY BARLETTA

A small flat, pure white onion, running from 1 to $1\frac{1}{2}$ in. in diameter and should be left to grow quite thickly in the row. These are mainly planted to produce small onions for pickling. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

LARGE RED WETHERSFIELD

The most popular variety for winter markets in northern states. In color the skin is deep rich purplish red, flesh white, lightly tinged with pinkish rose. Onion weighing 1 lb. from seed is not uncommon. Our strain Large Red Wethersfield has a small neck, is entirely free from scallions or thick necks. Well flattened, solid and thick, of remarkably mild flavor for a dark onion. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

SOUTHPORT YELLOW GLOBE

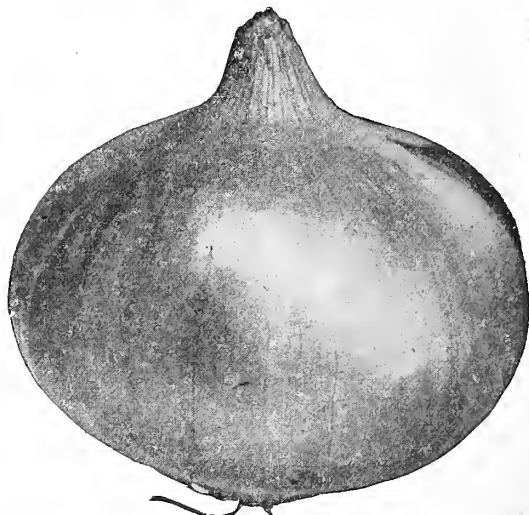
This strain of Globe Onion produces onions with a brownish-yellow skin, fine-grained white flesh. Has been selected to the slim or slender neck which makes it earlier and sure ripening of the bulbs. Tops die early and uniform. The onions average from 2 to $2\frac{1}{2}$ in. in diameter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SOUTHPORT WHITE GLOBE

A true globe-shaped, the onions are 2 to $2\frac{1}{2}$ in. in diameter, with a thin, delicate skin of purest whiteness, fine-grained, of a wild flavor. We firmly believe there is no better strain than ours. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

SOUTHPORT RED GLOBE

Handsome of all red Onions, large and most perfect Globe shape, the onions are 2 to 3 in. in diameter. Remarkably uniform in size and form, are thin necked, ripening down to a solid ball. Its long keeping qualities make it an excellent shipping onion. A vigorous grower and a heavy cropper, very hardy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



RED WETHERSFIELD ONION

John C. Hoover, Atwater, O.—"The seed and Yellow Globe Onion sets I received from you last year were very satisfactory."

ONION SETS

One quart will plant 40 feet of row;
eight bushels to an acre

We are prepared to furnish the choicest stock and spare no pains to produce them from from thoroughbred seed and to keep them true to name. Onion Sets are subject to market changes. Before buying write for lowest prices.

YELLOW GLOBE SETS

Per lb. 25 cts., postpaid.

Write for prices on larger quantities.

WHITE SETS

Per lb. 35 cts., postpaid.

Write for prices on larger quantities.

EGYPTIAN OR PERENIAL TREE SETS

Ready in August

A perfectly hardy perennial onion, throwing up stalks every spring. It produces sets or small bulbs at the summit of the stalk and the root also divides. They are planted in August and September for scallions.

Per lb. 25 cts., postpaid.

Write for prices on larger quantities.

Onion Sets in quantities are by freight or express at purchaser's expense for transportation

"Holco Seeds" are all Carefully Selected and Tested.

PARSLEY One ounce to 150 feet of row
three pounds to an acre

Sow seed in shallow drills in the early spring for border or in rows 12 to 18 in. apart, care being taken that the drills be not more than $\frac{1}{2}$ in. in width, and that the seed be well pressed down after sowing, as the seed germinates very slowly, three to five weeks elapsing sometimes before it makes its appearance. Cultivate frequently.

CHAMPION MOSS CURLED

A choice selected strain, beautifully crimped, dark green, curled leaves. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

PLAIN

Excellent for seasoning. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

DOUBLE CURLED

Compact; very curly and finely cut; bright green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

TURNIP-ROOTED OR HAMBURG

Edible roots. Are esteemed for flavoring soups, stews, etc. Grown extensively by market-gardeners near all large cities. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

PARSNIP One ounce 200 feet of row
five to six pounds for an acre

Sow as early in the spring as the weather will permit, in drills 18 in. apart and $\frac{1}{2}$ in. deep, in a rich, deep soil; thin out 3 to 6 in. apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars in the fall for immediate needs.

LONG, SMOOTH HOLLOW CROWN

Roots about 15 in. long with a diameter at the top of $2\frac{1}{2}$ to 3 in. Skin white, smooth, very productive, but requiring a deep soil. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

GUERNSEY

Handsome, white, thick root which is shorter than the Long Smooth Hollow Grown. Clean skin, very fine, grooved neck. Pkt. 5 cts. oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

PUMPKIN One-fourth lb. for 75 hills
3 to 4 lbs. to the acre

Pumpkins will grow almost anywhere, but thrive in rich soil. In many varieties the size and weight depend almost wholly on culture and fertility of the land. Many pumpkins are exceptionally good for pies; other sorts are fit only for feeding live-stock. Plant in hills 8 x 8 ft. Put seed in ground in May or June. Fight bugs with Bug Death, Slug-Shot or air-slaked lime.

MAMMOTH GOLDEN CASHAW

Also known as Crookneck. One of the widely popular varieties. Two ft. long, light colored. Flesh yellow, solid, sweet; excellent for pies. Has little interior cavity, being almost solid flesh. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

GREEN STRIPED CASHAW

An improved strain of the old Cashaw. Beautiful in appearance; a distinct, mottled green, white-striped. Fruit solid; averages 15 to 25 lbs.; flesh yellow, fine grained, sweet and excellent for pies. Sells well on the market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

JAPANESE PIE

High quality Pumpkin of Japanese origin. Flesh is very thick, a rich salmon color, fine grained, dry and sweet. Seed cavity small. Of medium size, early, very productive and a good keeper. Highly desirable as a pie or cooking pumpkin. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

KING OF THE MAMMOTHS

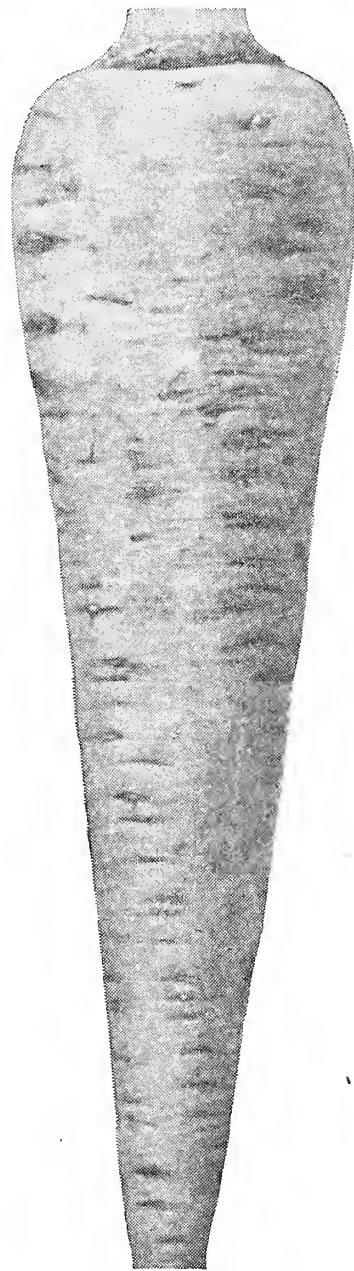
Fruits grow to enormous size, sometimes reaching 2 ft. or more in diameter and from 100 to 200 lbs. in weight. Salmon-orange skin; very thick, bright yellow flesh, which is fine grained, tender, of excellent quality for pies. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

SMALL SUGAR

Small size, averaging about 10 in. in diameter; of excellent keeping qualities, flattened or slightly ribbed. Skin deep orange-yellow, flesh very sweet and tender. One of the best for pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

**CONNECTICUT FIELD OR COMMON
YELLOW**

A large, oval-shaped Pumpkin. Skin reddish orange color, with rich, orange-yellow, tender flesh. Extensively grown for stock-feeding, and generally planted with corn, producing enormous crops. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Will quote on larger quantities.



GUERNSEY PARSNIP

Albert Saurer, Ashland, O.—"Your seeds are good size packets. Was well pleased."

GARDEN PEAS One pound to 60 to 75 feet of row 100 pounds to the acre

Peas belong in three groups: Garden, field and edible-podded. Garden Peas are smooth or wrinkled. The smooth are earlier and most hardy. The wrinkled are sweetest. Field Peas are of high value in stock-feeding and green manuring. Edible-podded Peas are growing in favor. Sow in earliest spring and make successional plantings every ten days until June 1st. In the latter part of August sow early Peas for an autumn crop. Drill 1 to 2 in. deep, in rows $2\frac{1}{2}$ to 4 ft. apart. In the field, use no sticks. In garden sow in double rows 10 in. apart, and use supports for the tall-growing varieties.

"HOLCO" CULTURE LEAFLETS (free with order when asked for).



**"HOLCO" MARKET GARDENER
EXTRA EARLY PEAS**

Extra-Early Smooth Peas

ALASKA

Also called "Earliest of All." The most extensively used Smooth Pea. Popular with early market gardeners owing to its abundance of pods and uniform maturity. Foliage is of a peculiar light green tinge, vines growing 20 to 30 inches. Pods $2\frac{1}{2}$ in. long, straight, round, well filled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

"HOLCO" MARKET GARDENER EXTRA EARLY

A Large-Podded Extra Early

This superb strain is the result of most careful expert work of selection and reselection continued through a long series of years. It excels in purity of stock and freedom from sports all other extra-early peas ever offered in this or any other country. Equally as early as Alaska, the peas are much better in flavor. The vines are quite slender, of very quick growth, and average eighteen to twenty-four inches in height. The pods are well filled, and the entire crop can be gathered in one picking. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$30.00.

Extra-Early Wrinkled Peas

LAXTONIAN

The Best First-Early Dwarf Wrinkled Pea

Bears long, handsome pods fully as large and early as Gradus, while the vines require no staking. Is unequalled for extreme earliness, superb quality, and productiveness. The dwarf vigorous vines average fifteen inches in height and carry enormous crops of large, deep bluish-green pods. The handsome pointed pods, generally borne singly, measure 4 to $4\frac{1}{2}$ in. long and are tightly packed with 8 to 10 extra large, deep bluish-green peas. These peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as Nott's Excelsior, while double the size; in fact, they average fully as large as Gradus! If sown thinly, say 4 in. between the seeds in the row, the produce will astound even experienced gardeners. Supply of seed is limited, crop very short. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50 postpaid.

LITTLE MARVEL

A dwarf, first-early wrinkled Pea of unusual value, but recently on the market. The demand among market-gardeners for this variety is already enormous. Height of vine 15 inches. The pods 3 inches in length, frequently borne in pairs. The pods contain 6 or 7 large, dark-green peas, which remain in good eatable shape a week later than most other varieties. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

NOTT'S EXCELSIOR

Very heavy yielder. Peas wrinkled, height of vine 14 in. Is more uniform, productive and earlier than others, is far more desirable. This pea is used in large quantities and is very popular. Pod $2\frac{3}{4}$ in. long, straight, round. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

SUTTON'S EXCELSIOR

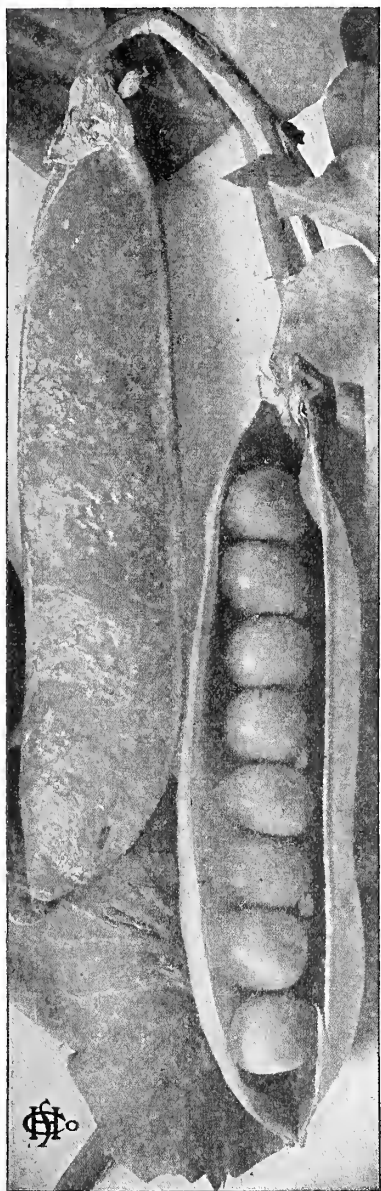
This is probably the finest dwarf wrinkled Pea in cultivation and especially for private and market gardeners, bearing large, broad pods filled with large peas. Very tender, of most delicious flavor. In the front rank for earliness, with much larger and handsomer pods than any other variety in this class yet introduced. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.



LITTLE MARVEL PEA



**LAXTONIAN
PEA**



GRADUS PEAS

PREMIUM GEM OR IMPROVED LITTLE GEM

Early, prolific, uniform in growth and productiveness, bearing pods single on both sides of the stalk, beginning near the ground. The peas, wrinkled, are of good quality. Pods $2\frac{1}{2}$ in. long, nearly straight, round, well-filled to the end. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$30.00.

Second-Early and Main-Crop Peas

ALDERMAN

Has grown in the front rank of all the list of large podded, long-vined Peas and is today recognized as the best in its class by the most exclusive trade in America. Remarkably healthy, vigorous and productive. Vines medium dark-green and very luxuriant in appearance, growing 3 feet. Pods 5 to $5\frac{1}{2}$ in. long, straight, rounded at the point, very dark green in color, well-filled, delicious flavor. Pods retain their dark-green color long after picking, making them most desirable for market gardeners. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

PIONEER PEA Dwarf—Dark Green—Giant Pod

This new, large podded Early Wrinkled Pea is in great favor with market gardeners in all sections. The handsome large pods, which are well filled with big peas of delicious flavor, make it a good seller on the market stall. The vines are extremely vigorous, growing only 15 to 18 inches high, with dark-green foliage, and produce a wonderful crop of pods. Pioneer is one of the earliest wrinkled peas, bearing its dark-green pods about the same time as Prosperity or Gradus, but a much heavier cropper and of quality equally as good. Crop very short. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50 postpaid; 100 lbs. \$55.00.

GRADUS

Here we have a large, early wrinkled Pea with a pod large as Telephone. This popular large-podded wrinkled pea of finest quality matures pods only two or three days later than the small-podded round-seeded extra-earlies. The vine has heavy stems with large light-green leaves, and grows three feet high. It produces uniformly large pods, measuring from four to four and a half inches in length, nearly round, and well filled with very large, handsome peas of the finest flavor. The peas remain tender and sweet for some time after they are large enough to use. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

THOMAS LAXTON

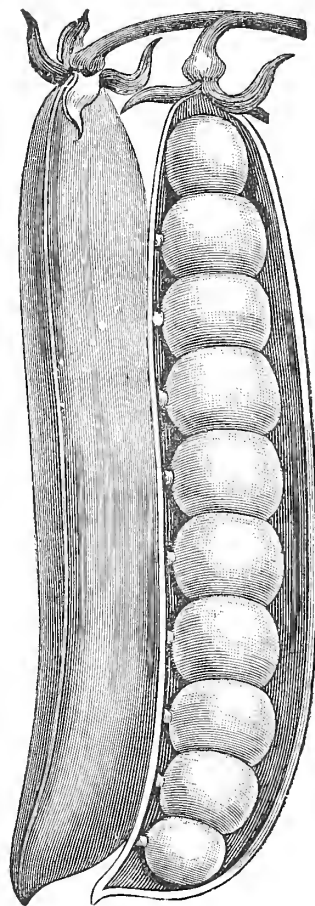
Closely resembling but hardier than Gradus, and a more abundant yielder than the famous Gradus—as a long-podded extreme-early wrinkled pea—and in some respects is even better! The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgment of experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green, they present a more attractive appearance. Four days later than Gradus. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

AMERICAN WONDER

Vigorous, productive, with dark foliage, having the peculiarity of producing leaves on one side of the stalk. Very popular with private and market gardeners. Peas wrinkled, height of vine 12 in. Pods $2\frac{1}{2}$ in. long, round, crowded to the end. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

BACTERIA

For Inoculating Pea Seed Mulford Germ, 25 cts. and 50 cts. per bottle. It means larger and more Peas.



ALDERMAN PEA

TELEPHONE

One of the leading large-podded, wrinkled sorts. Pods 5 to $5\frac{1}{2}$ in. long, broad, straight, pointed, well filled with large peas of delicious flavor. Pods dark green and retain their color long after picking. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 100 lbs. \$30.00.



POTLATCH PEA

STRATAGEM

Vigorous habit, luxuriant foliage, a heavy cropper. Pods 4 in. long, straight, broad, finely shaped and rounded at the point. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

CHAMPION OF ENGLAND

Much prized by those who are fond of large, tender, luscious Pea. Vigorous in growth, foliage medium green. Pods 3 in. long, blunt, medium, dark green in color, broad and nearly straight. Pkt. 10 cts., ½ lb. 35 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

DWARF WHITE MARROWFAT

Vines tall, hardy, vigorous. Foliage light green. Seed smooth, light cream yellow. Pods 3 in. long, blunt, of light-green color. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50 postpaid; 100 lbs. \$25.00.

SUGAR OR EDIBLE-PODDED PEAS

MAMMOTH LUSCIOUS SUGAR

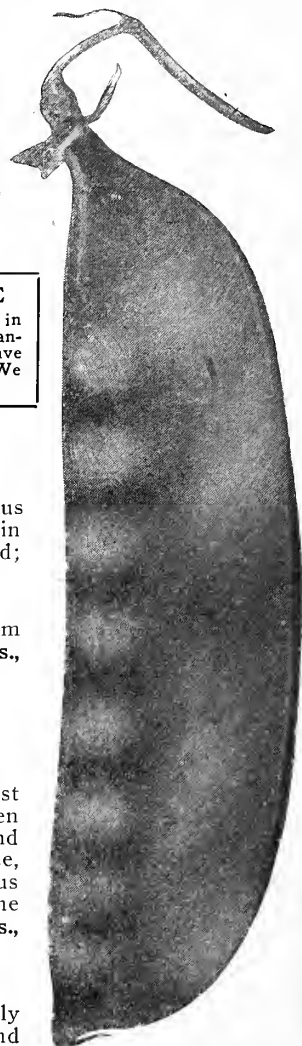
Excels in size productiveness of all edible-podded peas. The vines are most vigorous in growth, attaining a height of six feet, branching freely; when given sufficient support, they are a beautiful sight, covered with violet flowers and thick fleshy pods at different stages of growth. The pods are monster in size, measuring 6 to 7 in. in length, by 1 to 1½ in. in breadth. Being of delicious flavor, pods cooked like string-beans, and served, will make a dish that no one would care to pass up. Crop very short, order early. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

MELTING SUGAR

A standard edible-podded sort; vines tall. Pods cooked and used the same as wax beans. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

DWARF GREY SUGAR

Edible-podded sort and used only in that way. Pods are broad, flat and crooked. Cook pods same as beans. Pkt. 10 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.



MAMMOTH LUSCIOUS
SUGAR PEA

POTLATCH

Extremely Prolific, Superb Quality Dark Green Pods

The magnificent dark green pods, borne in pairs, are 5 to 6 in. long, containing 8 to 10 large peas which are exceptionally rich in flavor. The pods are ready at the same time as Stratagem and they come absolutely true to type. One of our finest peas for garden and table use, excellent for private gardens. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.00.

BLISS'S EVERBEARING

Vines are closely jointed, growing 30 in., and frequently form many stalks from a single root stalk. Seeds wrinkled. Pods 3 in. long, broad, blunt, of fair size and light green in color. Pkt. 10 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50 postpaid; 100 lbs. \$35.00.

DWARF CHAMPION

Robust, vigorous, uniform in growth, grows 24 in. Bears straight pods, 3 in. long, broad, blunt end, frequently in pairs, well filled. Seed wrinkled. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid; 100 lbs. \$28.00.

CARTER'S DAISY OR DWARF TELEPHONE

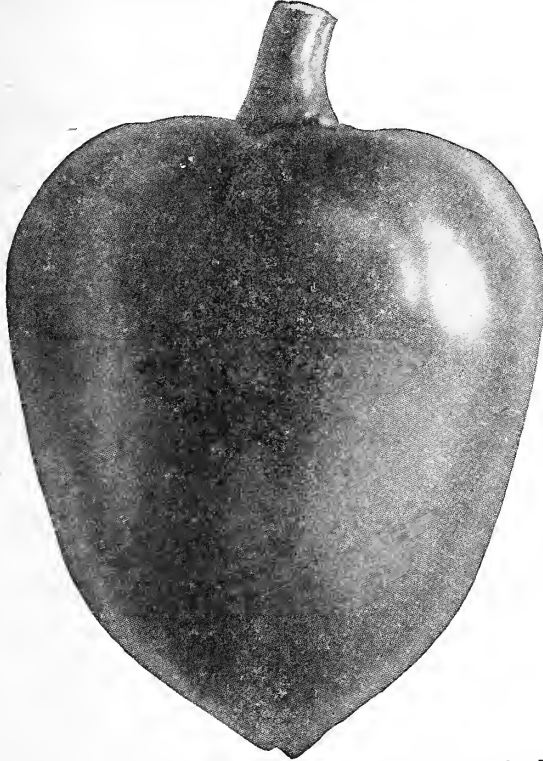
Vines heavy, growing 20 in., with green foliage, season medium. Peas wrinkled. Pods 4½ in. long, broad, straight, rounded at the point, pale green in color and well filled, containing 8 and 9 peas. Pkt. 10 cts., ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 100 lbs. \$40.

IMPORTANT NOTICE

Peas are the shortest crop in years. If you want peas in quantity, we will be pleased to have you write stating your wants. We will make you special prices.

PEPPER One ounce of seed produces
1,200 plants

Sow the seed in a hotbed or window-box, about March 1st; transplant to the open when all danger from frost is over. Set plants in rows 3 ft. apart, 15 in. in the row.



PIMENTO PEPPER

Thickest Fleshed of All Peppers—The Solid Meat is Always Sweet

The fruits are rich crimson-scarlet in color, while the form is very distinct, being of regular conical shape, as shown in the illustration. The peppers measure from 2 to 2¼ inches across at the stem end and average from 3 to 3½ inches in length. The skin is perfectly smooth, without any ridges; therefore, if the peppers become soiled with dirt they can be washed easily and put in attractive marketable condition. The firm flesh measures ⅝ of an inch in thickness. The peppers are never hot in any part of the fruit, even the flesh around the seeds being sweet. The fruits are just the right size for stuffing for individual use. The plants are 2 to 2½ feet in height, branching freely, and produce a heavy crop. We feel sure that the New Pimento Pepper will quickly become very popular both with private planters and growers for market. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$5.00 postpaid.

Prof. W. F. Massey, Maryland, stated.—“Pimento Peppers have certainly been wonderful, not only in quality but productiveness. It is certainly the best of all Sweet Peppers, truly sweet, with not a trace of fire in it. We eat them daily. They are just the size to stuff and pickle, smooth and better shaped. The Chinese Giant is entirely too huge and does not make a tenth part of the Peppers the Pimento does.”

HOLMES' PROLIFIC SWEET PEPPER

The Wonder Among New Early Peppers.

Large, mild, early red Pepper. This wonderful Pepper originated with Mr. Geo. Houser, of Pennsylvania, a well-known market gardener. The strong, vigorous plants grow 2 ft. high, are completely laden with large, handsome fruits, bear continuously until frost. Plants average from 15 to 20 well developed Peppers. Flesh is bright red; thick meated, sweet and very mild. They carry well and keep in condition a long time. Pkt. 15 cts., 2 pkts. 25 cts., oz. 75 cts.

GIANT CRIMSON

Sweetest and Largest Mango.

Earliest maturing of the extremely large red, smooth, Sweet Peppers. Plant is vigorous and upright, growing 2½ to 3 ft. high, which is taller than the Chinese Giant and more productive, very large size, ripen earlier than any of the other very large sorts and average heavier, as the flesh is exceptionally thick. Color deep green when fruit is young, deep crimson when matured; flavor very mild. Pkt. 15 cts., oz. 80 cts., ¼ lb. \$2.50, lb. \$8.00.

RUBY KING

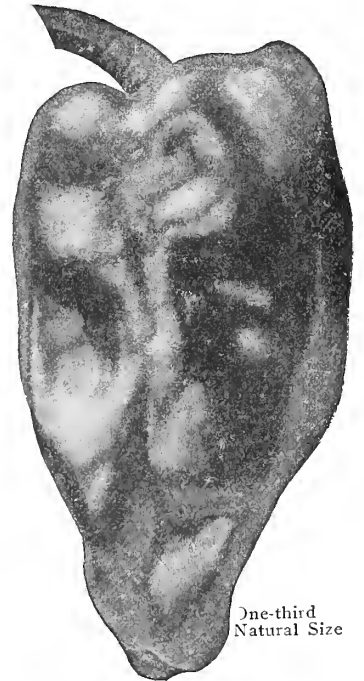
The most popular large red Pepper. Plants grow 2 ft. high and bear a fine crop of handsome, extra-large scarlet fruits. The flesh is quite thick, sweet, fine for mangoes. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.

LARGE BELL OR BULL NOSE

An old standard and favorite sort. Early, bright-red in color, mild, of large size, and has thick flesh. Excellent for stuffing. A good bearer, earlier than Ruby King. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.

GOLDEN DAWN. Similar to the Large Bell or Bull Nose, excepting that it is golden yellow, and very sweet. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.

LONG RED CAYENNE. Are 3 to 4 in. long; bright red. The flesh is very sharp. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$5.00.



HOLMES' PROLIFIC SWEET PEPPER

“Giant Crimson” Pepper is a Winner. The World's Greatest Need is Food. Produce It!

Potatoes Grown Especially for Seed

GET THE BEST

Northern Grown—Pure Bred Seed—True to Name

Try Them and Be Convinced. Healthy and Vigorous Seed Potatoes Should Be Planted

Fifteen pounds will plant about 125 hills; 600 to 700 pounds to the acre

We have made seed potato growing a special study and have sold thousands of bushels to our customers. During this time we have studied old and new sorts, as to eating and cooking qualities, productiveness, time of ripening, liability to disease and suitable soil. This experimenting has taught us that the potato that will do well on one kind of soil, may not do well at all in another soil. A potato that may yield large crops on one farm, may not do well at all on the adjoining farm. This is something that can only be learned from experience. Each man must learn from experience what kind of potato is most suitable for his soil and market. We are very particular about selecting and storing our seed potatoes. We expect by fair and honest dealing to gain and retain a part of your valued patronage, and hope that you will be able to profit by our experience to the extent that you procure seed that will produce the best and earliest potatoes on the market, also the best late main crop sorts. Look over our list of Northern Grown Seed Potatoes carefully and let us know what you require for planting this spring. We want to get acquainted with you.

Orders for seed potatoes received during the winter are placed on file in rotation as received and shipment is made by freight or express as early in the spring as they can be sent without danger of freezing while in transit. Orders shipped during the cold winter months to customers are entirely at purchaser's risk.



IMPROVED EARLY OHIO POTATOES

A CHANGE OF SEED

From one soil to another often doubles the yield, and improves the quality of the potatoes. Don't plant that old worn out seed any longer, but get something new and saleable.

REMEMBER

Poor seed is largely responsible for the low yield per acre in the U. S. It will pay you to get the best.

Kirk B. Shoemaker, Youngstown.—"Rural New Yorker potato was a yielder for us. We sold all our potatoes for seed among our neighbors so will want the same good stock to plant this spring. Quote price on ten sacks."

Robt. Lewis, Richland Co.—"I am anxious to write you that the Bliss Triumph potatoes are the finest strain we ever had. Save us enough seed for four acres."

IMPROVED EARLY OHIO

The all-around Early sort. Early Ohio is without doubt the most popular early potato in the country. The variety that always can be relied on for an early market sort, in almost every locality. Our stock is very uniform in size, extremely early, smooth skin and blunt round ends, coming in about 7 to 10 days earlier than Early Rose. Write for current price list.

BLISS TRIUMPH

A popular early potato. Bliss Triumph is a standard extra early. We are all familiar with it as sold at the groceries when the first new potatoes are shipped in. The tubers are nearly round, smooth, medium in size, very desirable shape, reddish pink in color. Our stock CANNOT BE EXCELLED, is very fine, clean and pure, grown in the far North, they have stronger vitality than home grown stock. Write for current price list.

Chas. Chader, Mgr. H. H. Timken Farms.—"We purchased of you last spring one bushel of your selected Northern grown early Ohio Seed Potatoes, from which we harvested 26 bushels, certainly was fine stock."

J. G. Exline, Canton, O.—"Your Irish Cobbler Potato gave an excellent yield. I was very much pleased with the stock. They were uniform and came in ahead of another variety that we grew."

James McQuote, Polk, O.—"The potatoes we received last year were just fine; they were just as you described them."

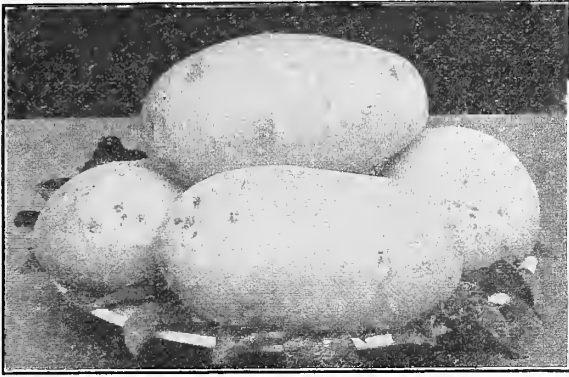
Prices on Potatoes subject to change. Write for current price list before buying

"Golden Glow" Corn matures in Stark County, Ohio.

NORTHERN GROWN SEED POTATOES

Are grown on natural potato soil, sand and loam, where it is quite rolling and hilly.

Our Seed Potatoes are always sold by weight. By a bushel we always mean 60 pounds, and a sack means 2½ bushels or 150 pounds, net. Seed Potatoes 150 pounds, net, per sack.



IMPROVED GREEN MOUNTAIN POTATOES

IRISH COBBLERS

Next to our Early Ohio, the most popular Early potato.

Irish Cobbler has been for some years the most famous early potato in the East. We sold more bushels of them last spring than ever before and more than any other early variety.

Our customers are more than pleased with them and report having harvested large, handsome, white tubers. They cook dry and the flavor is fine. Will keep good until late in spring.

You can make no mistake in buying our Northern Grown Irish Cobbler. Write for current price list before buying.

EARLY ROSE

A leading variety for earliness, quality and productiveness. Write for current price list before buying.

RURAL NEW YORKER

The leading late potato has always been relied upon to give a good crop of tubers.

Vine thrifty and strong, tubers oblong, inclined to round or round oval. It is an easy potato to harvest and a fine table variety. Skin pure white. Our northern grown stock can be depended upon.

Write for current price list before buying.

CARMEN No. 3

A handsome yielder; produces potatoes of the most excellent quality.

Write for current price list before buying.

Ray Brownlee, Lowellville, O.—“I received my Seed Corn in fine condition and wish to thank you for your kindness.”

EUREKA EXTRA EARLY

None More Quick to Mature. More Proof Against Drought and Blight. So Free From Second Growth.

It has never failed to produce a large crop of extra early potatoes. The plant is dwarf and compact, maturing in advance of the Early Rose. It never has had the blight. The tubers are round, slightly flattened. White skin, free from disease. Flesh, white and mealy; no cores or black specks. Quality unsurpassed. One point alone which makes it valuable is that it has never taken second growth, and resists drought better than any other potato we have ever grown. North, South, East and West, Eureka Extra Early always came off with flying colors. We advise early orders, for, while out stock is large, the demand for Eureka is simply astonishing.

Write for current price list before buying.

T. E. Geipe, R. D., Beloit, O.—“Received the Extra Early Eureka potatoes O. K.; am well pleased with their appearance.”

IMPROVED GREEN MOUNTAIN

A reliable late potato which is rapidly increasing in popularity—in fact, in some sections it has superseded all other main crop varieties. Does remarkably well on poor soils; very free from disease; resists drought wonderfully well, produces tubers of large size, attractive appearance; flesh white. A good keeper, when put away in the fall will keep well until spring. Write for current price list before buying.

Albert Jackson, Oberlin, O.—“We were much pleased with seeds bought of you last year and would like to receive one of your ‘Seed Books’ this year.”

SIR WALTER RALEIGH

White skinned, main-crop potato, resembling Rural New Yorker. One of the best late sorts.

Write for current price list before buying.

SELECTED JERSEY SEED SWEET POTATOES

YELLOW NANSEMOND.

Lb. 15 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 50 lbs. \$3.00.

RED NANSEMOND.

Lb. 15 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 50 lbs. \$3.00.

CHOICE JERSEY SWEET POTATO PLANTS

Ready May. 1.

We make a specialty of extra-fine selected strain of Sweet Potatoes, and furnish plants in any quantity.

Doz. 15 cts., per 100, 75 cts., 1,000, \$5.00. Write for price on larger quantities.

ORDER EARLY.

We do not hesitate to advise our customers to place their orders early as good seed stock will be sure to be higher at spring time, and those who order early while present stock is unsold will be sure to get choice stock and pure seed. Prices of Potatoes subject to change. Write for current price list before buying.

Those who know plant “Holco Seeds.”

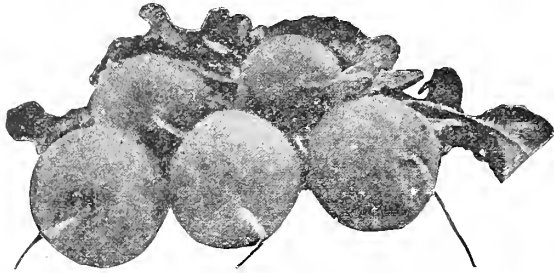
RADISHES

One ounce of seed will plant 100 feet of row;
ten to twelve pounds for an acre.

All varieties thrive best in light sandy loam. For early use, sow in the hotbed, in Feb., giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry, covering the seed about 2½ in. deep. Sow every two weeks from March until Sept., for a succession of crisp Radishes for continued use. Radishes must grow rapidly to be crisp, mild flavored and tender. We offer a very fine assortment.

Our Radish Seed is strictly of the finest grade, being grown from carefully selected and transplanted roots.

Early Round or Turnip Shaped Radishes



ROYAL RED FORCING RADISH
Earliest Red for Forcing or Outdoor

CRIMSON GIANT

Should have been named the "Ever Ready." Impossible to imagine a market-gardener even attempting to do without this splendid Radish. Within a few days as early as the extra-early varieties, and has the important characteristic of never becoming pithy, no matter how large it is allowed to grow. Grows up to about four times the size and weight of any of the turnip varieties, and the flesh remains remarkably sweet and brittle throughout. It has a splendid color, being deep crimson, which makes it absolutely the most attractive Radish for the dealer. While it has a tendency to vary in shape, we are prepared to give our customers a very fine and uniform strain of this most excellent Radish, good either for forcing or for open ground. For open-ground culture it has the particular quality of withstanding droughts to a remarkable degree. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

SCARLET TURNIP, WHITE TIPPED.

Round, deep scarlet, shading to a white tip on the bottom; very early; used extensively both as a forcing and out-door sort. We have a very superior strain of this radish. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

EARLY DEEP SCARLET TURNIP, FORCING OR NE PLUS ULTRA.

This variety has a small top and is early in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely, owing to their small top. Pkt. 10 cts., oz. 25 cts., ¼ lb 75 cts., lb. \$2.50.

Benj. Manning, Ridgewood, N. J.—"The Holmes Everbearing Tomato is the BEST I ever saw."

Clarence E. Palmer, Hudson, O.—"I sent in an order last year for seeds and was much pleased with them. They all grew fine and I want to get my seeds of you again this year."

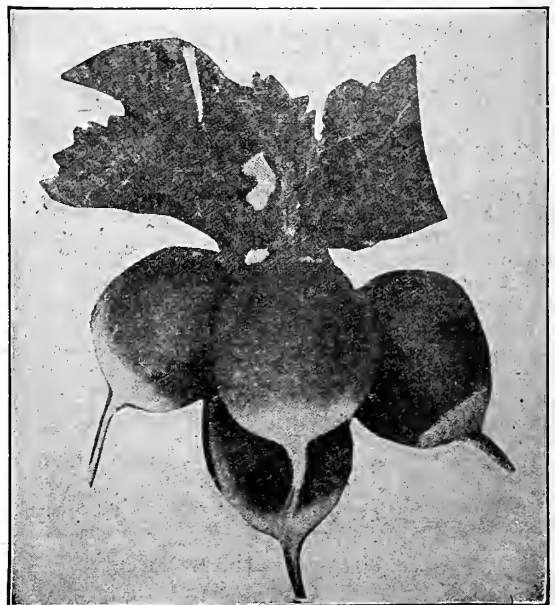
ROYAL RED FORCING

EARLIEST RED.

For under glass and outside we have invariably found Royal Red Forcing to reach a marketable size several days earlier than any other variety. The Radishes are perfectly round, three-quarter inch to one inch in diameter. The roots are round or ball shaped rather than turnip shaped. The color is bright deep scarlet with no trace of purple in it. Flesh firm white crisp and mild. Leaves very short and small and only three or four when the radishes are ready for market. Because of its small top, quick maturity and handsome color we consider this the best forcing radish and can recommend it for the open ground. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

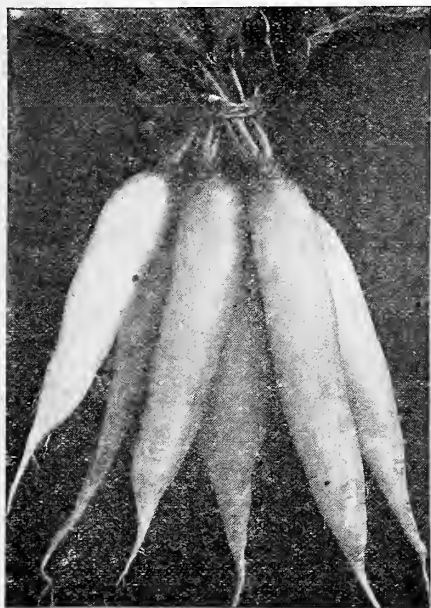
VICK'S EARLY SCARLET GLOBE.

For greenhouse or hotbed forcing and for out-of-doors. Very early, mild, crisp and tender; one of the most attractive, best-selling Radishes. Very handsome, rich, bright scarlet, thoroughly sound, fine quality, a great favorite; it resists heat without becoming pithy, is ready in 25 days. This sort is not desirable for hot summer planting, as it loses its shape—it is an early Radish and as such gives entire satisfaction. Vick's Scarlet Globe Radish should be planted in every garden for market as well as for home use. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.



SCARLET TURNIP, WHITE TIPPED RADISH.

Root crops should be raised on every farm for stock feeding.



ICICLE RADISH

FRENCH BREAKFAST. Color bright carmine with clear white in the lower portion. Very tender and mild. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

EARLY SCARLET TURNIP. Extra early sort, with smooth, round, richly-colored roots. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00

WHITE STRASBURG

White Radish of large size, good quality, and ability to resist severe heat. We recommend White Strasburg for summer planting. Will grow solid, with good flavor, when others fail. Popular with market-gardeners. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

IMPROVED CHARTIERS

Excellent for the home garden. Bright scarlet on the upper part and pure white long tips, the handsomest long red Radish on the market, the best seller; 25 days after planting it is usually ready for the table. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

WHITE CHINESE OR CELESTIAL

Never has a winter Radish won so much favor. The true stock of this variety is stump-rooted, and although a winter radish, can also be grown in late summer, flesh is firm, solid and pure white, keeps all winter in prime condition; is of mild flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

LONG BLACK SPANISH

Root, cylindrical, from 7 to 10 in. long and 2 to 3 in. in dia.; skin very black, somewhat wrinkled; flesh white, firm, compact; keeps well. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

ICICLE RADISH

Finest Long White.

Finest and longest of the very early, pure white varieties; ready for use in 20 to 25 days. This Radish is not only crisp and tender when young, but retains these qualities until the roots attain large size, so that it will remain in fine condition longer than any other first-early variety. Is excellently adapted for forcing purposes or successive sowings in the open ground. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

PEARL FORCING

A beautiful pearly white, long variety. It is firm and solid, and remains in shape for some weeks before becoming woody or showing any sign of going to seed. A Radish we can recommend which for all purposes is first-class. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.50.

LONG WHITE VIENNA, OR LADY FINGER

An extremely popular sort for years, one of the very best and finest of the long white Radishes. Graceful in form, flavor is sweet and mild, with brittle flesh. An especial favorite with many market-gardeners.

The demand has largely increased for our selected strain. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

CINCINNATI MARKET

CINCINNATI MARKET RADISH

This Radish originated in the vicinity of Cincinnati, Ohio, with the "Glass Gardeners" there, and has been constantly used by them. The tops are so small that the Radishes may stand touching each other in the rows. The Cincinnati Market Radish grows perfectly straight and smooth, 6 to 7 in. in length. Skin scarlet, very thin, flesh crisp, brittle, of delightful flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

EARLY LONG SCARLET SHORT-TOP

The long, slender, colored roots are most attractive in appearance. They are ready in about 25 days; crisp, brittle, of choicest quality. They reach a length of 5 to 6 in., growing half out of the ground. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

WINTER RADISHES

CHINA ROSE

A Radish of large size, blunt at both ends. Skin is a bright scarlet and the flesh is pure white, firm, crisp and pungent. May be sown up to August, thicker than any other winter radishes. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

ROUND BLACK SPANISH

Root rounded or top shaped from 3 to 4 in. in dia.; skin very black; flesh white, of firm texture and very pungent. Keeps a long time. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

RHUBARB OR PIE PLANT

One ounce of seed produces 500 plants; $3\frac{1}{2}$ lb. to an acre

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 ft. apart; the second year after planting plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 2 ft. apart each way, at least 2 ft. deep.

VICTORIA

RHUBARB ROOTS

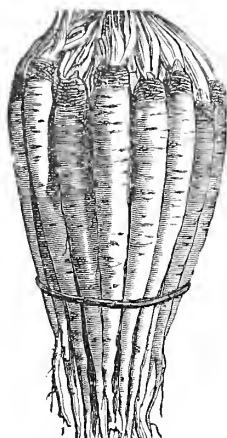
In general use for market and home garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Ready from October to May 15. 15 cts. each, \$1.25 per doz.

SALSIFY OR VEGETABLE OYSTER

One ounce to 75 feet of row, eight to ten pounds to the acre.

Treat about the same as carrot, except that Salsify is harder, may be left in the ground all winter. Sow in drills, 1 to 2 ft. apart, and thin to 4 in. in the row. Cover seed about 1 in. Sow in April or May.



SALSIFY

MAMMOTH SANDWICH ISLAND

Roots much heavier than the old Long White. Is white in color, and a satisfactory sort in every way. Invaluable to market-gardeners. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SPINACH

One ounce to 100 feet of row; 8 to 10 pounds to the acre in drills, 15 to 25 pounds broadcast

For early spring use, sow seed in Aug. or Sept., in rich soil. Upon approach of cold weather, cover the plants with 3 in. of straw or salt hay. In the spring, when dry, remove litter, and plants will be ready for use in a short time. Sow seed 1 in. deep, in rows 1 ft. apart or broadcast. For succession, sow every 2 weeks from April to Aug.

BLOOMSDALE

This sort is known also as Norfolk Savoy Leaved. It is a very early variety and one of the best to plant in autumn for early spring use. The plant is of upright growth, with thick, glossy, dark green leaves of medium size, pointed but quite broad, and crumpled or blistered like those of Savoy cabbage. It is hardy and grows rapidly to a suitable size for use, but runs to seed quickly in warm weather. Seed round. This spinach is suitable for the home garden and is much used by southern truckers. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

IMPROVED THICK LEAVED

One of the best varieties for fall sowing and to winter over for spring crop. Leaves are broad, hug the ground closely, are slightly crumpled, attractive in color. Plant is large and produces a big crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

LONG SEASON

Is low growing plant. This Spinach withstands hot weather longer than other kinds. The plant is small, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, tender and fine when cooked. Color a beautiful dark green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

VICTORIA

A handsome variety of exceedingly dark green, broad thick leaves, and has very long-standing qualities. Unexcelled for spring or fall sowing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

A. B. Reed, Pa.—"I had your Cash Corn and Pride of the North two years and they were very satisfactory."

LONG STANDING

For spring planting. Leaves large, thick, fleshy and crumpled. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

PRICKLY WINTER

For late planting or very cool locations, an excellent variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

NEW ZEALAND

This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright. One sowing can be picked from the entire summer. A very distinct variety. Soak seed in water twenty-four hours before planting. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

TOBACCO

Culture—Sow seed as soon as danger of frost is over; use wood ashes on seed bed. Pulverize soil of seed bed thoroughly. When plants are 6 in. high transplant into hills 4 or 5 ft. apart each way, and cultivate frequently. An oz. of seed produces sufficient plants for an acre.

Connecticut Seed Leaf—Grown in all sections of the U. S. and extensively in Connecticut. Broad leaf of medium length. Suitable for cigar fillers. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Improved White Burley—The Western favorite, superior to the old variety of Burley. Makes better color; commands higher prices. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Havana—The leaf is very thin and is of fine texture. The variety is much used for cigar wrappers. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

SQUASHES

Culture, same as for melons. Make the ground very rich. A good sandy loam is best. The squashes are all tender, and the seed should not be planted until warm weather. Allow 4 x 4 ft. for the hills of the Bush Squashes, and 8x8 ft. for the running varieties. Four plants to the hill; 3 to 4 lbs. of seed to the acre. For summer Squashes estimate 4 oz. to 100 hills; for winter Squashes 8 oz. to 100 hills.

GIANT SUMMER CROOKNECK

One of the best of all summer Squashes. Of dwarf, bushy habit, very productive. Skin is yellow. Flesh has a deep golden yellow color, is dry and of most agreeable flavor. This is, in fact, most highly esteemed of all the summer varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



GIANT SUMMER CROOKNECK SQUASH.

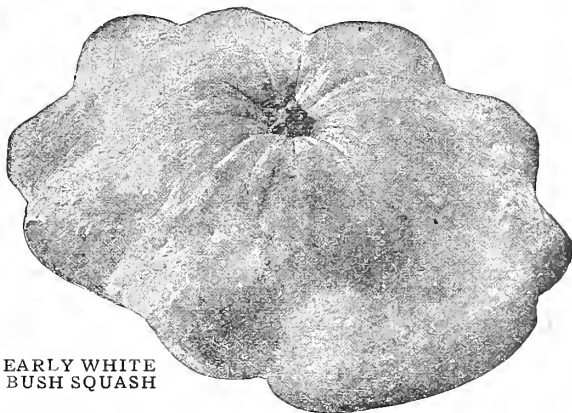
ITALIAN VEGETABLE MARROW

(Cocozella di Napoli)

The vines are of bush habit and produce large, much elongated fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. The fruits are in best condition for the table when six or eight inches long, but can be used when somewhat larger. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

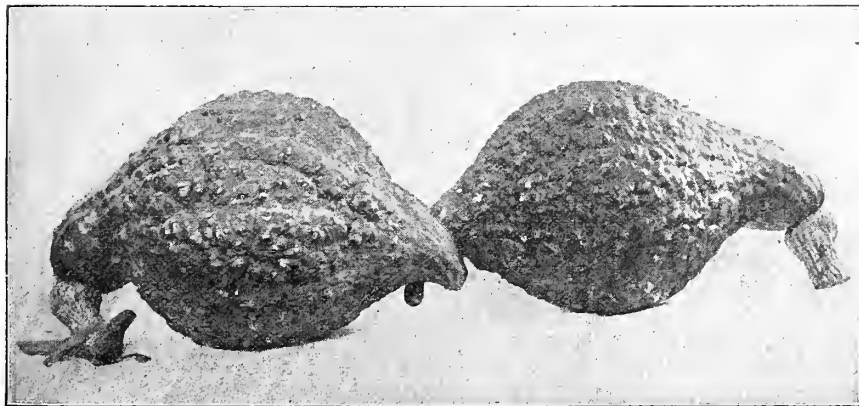
EARLIEST WHITE BUSH

Bush or pattypan Squashes are earlier than any other summer variety. Skin is white and tender when ready for use. Of dwarf, bushy habit, quite hardy, very productive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



EARLY WHITE BUSH SQUASH

AUTUMN AND WINTER VARIETIES



IMPROVED HUBBARD SQUASH.

DELICIOUS

The squashes, weighing from 5 to 10 lbs., vary both in color and form but are very delicious in flavor, excellent winter keepers. Flesh is dark orange, very thick and fine grained. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

FORDHOOK

Flesh is very dry and sweet. One of the best of the late summer varieties. The outside color is bright yellow; inside color, straw-yellow. The skin is so thin that it need not be removed for cooking. The meat is thick and can be used at any stage of growth. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Use Arsenate of Lead or Insecto to keep down the bugs.

IMPROVED HUBBARD

The illustration is a very accurate representation of our Improved or Green Hubbard. Our stock of this variety, which has so long been the leading squash for late fall and winter use, is carefully selected in regard to quality of the flesh and color of the shell and we have found it much superior to that sold as Chicago Warted or Warty Hubbard. Fruits are large and heavy, are moderately warted and have a very hard shell. Skin is uniformly dark bronze-green.

Flesh is bright orange-yellow, fine grained, thick, dry and richly flavored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

RED OF GOLDEN HUBBARD

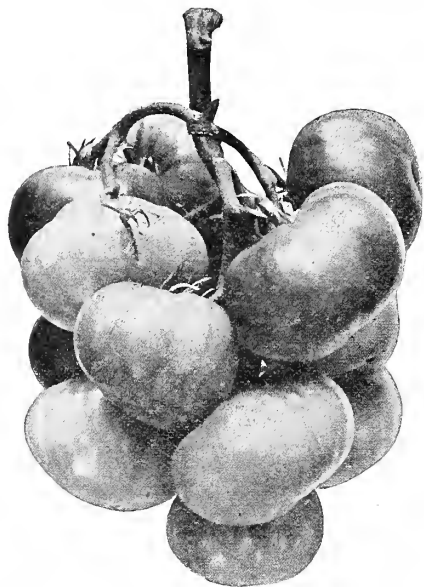
Has the shape and virtues of the Hubbard, but earlier and more productive. Color of the skin deep yellow or orange-red. Flesh richer in color than Hubbard, of equal quality. Fine grained and sweet. Cooks dry, a splendid keeper. Desirable market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

"Italian Vegetable Marrow Squash"—It is delicious.

TOMATOES

One ounce of seed will produce
3500 plants, enough for an acre.

Sow the seed in February or March in a hotbed, greenhouse or in shallow boxes in the house, in rows 4 to 6 in. apart, 1½ in. deep. When the plants are about 2 in. high, transplant to 3 in. pots or into shallow boxes 4 in. apart each way. Transplant in the open ground after all danger of frost is past, 3 to 4 ft. apart each way. Cultivate frequently.



HOLMES' EVERBEARING TOMATOES

HOLMES' EVERBEARING TOMATO

The Earliest, Largest, Most Prolific and Meatiest
Red Tomato Grown.

Wonderfully prolific new Tomato. Illustration is from a photograph of one stem bearing 17 fine, large fruits, and weighing 7¾ lbs. Clusters average 15 fine, large red or scarlet Tomatoes, and the beauty of it is that they all run about the same size, absolutely free from the acidic taste so common in most varieties. Seed-cavities are exceedingly small, we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa. When cut by the frost there is still plenty of green fruit on them. Originator's own stock. Pkt. 20 cts., 2 pkts. 35 cts., ¼ oz. \$1.00, oz. \$3.50.

JOHN BAER

An invaluable sort for market-gardener's use. Our seed is grown are very hardy and exceptionally productive. Fruits are the largest of the extra early sorts and are also most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the very earliest to ripen its first fruits and it continues to furnish marketable fruits much longer than other very early varieties. An invaluable sort for market gardeners' use. Our seed is grown from originator's stock. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

BONNY BEST.

Scarlet-red. Of about the same season as Chalk's Jewel, but fruits average somewhat smaller. They are always smooth, of remarkably uniform size and shape. An elegant sort for market and shipping on account of its even size. Well adapted for forcing under glass. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

SPARKS' EARLIANA

Deep red Tomato. Vines short, close jointed branches. All extra-early Tomato, best so far produced. Very productive. Fruit fair size and firm. In test it ripened fruit in 108 days from date of sowing seed. Pkt. 5 cts., oz. 35 cts., ¼ lb. \$1.10, lb. \$4.00.

CHALKS' EARLY JEWEL

Second or medium early sort. Later than Earliana. Vines vigorous, productive. Fruit solid, without hard core. Color bright scarlet. A sort having great merit. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

EARLY DETROIT.

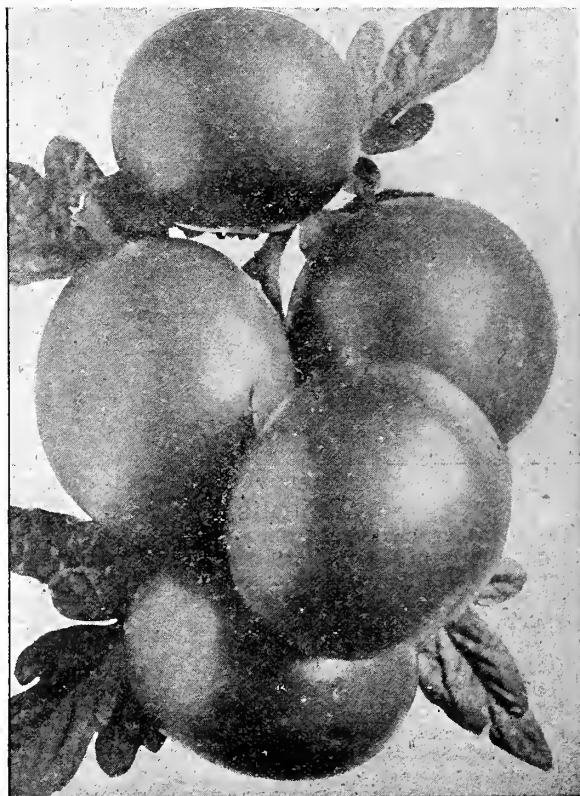
Vines vigorous, productive; fruit round or nearly globe shaped, firm, purplish-pink in color. Ripens with Chanks' Early Jewel, a splendid second early variety. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

JUNE PINK

Bright pink. An extra early variety. Fruits run uniform in shape and size, almost round, borne in clusters, fresh, solid and fine. Pkt. 5 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.

ACME

Pink purple. Vine hardy and productive. Fruit in clusters of 4 or 5, round, smooth and of good size; flesh solid, excellent flavor, no better variety for market gardeners who want an early purple fruited sort. Pkt. 5 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.



BONNY BEST TOMATOES

If you want a Tomato that will produce quality try "Garland."

GARLAND TOMATO

The Largest, Heaviest Cropper, Smoothest and Finest Flavored, Extra Early Red Tomato.

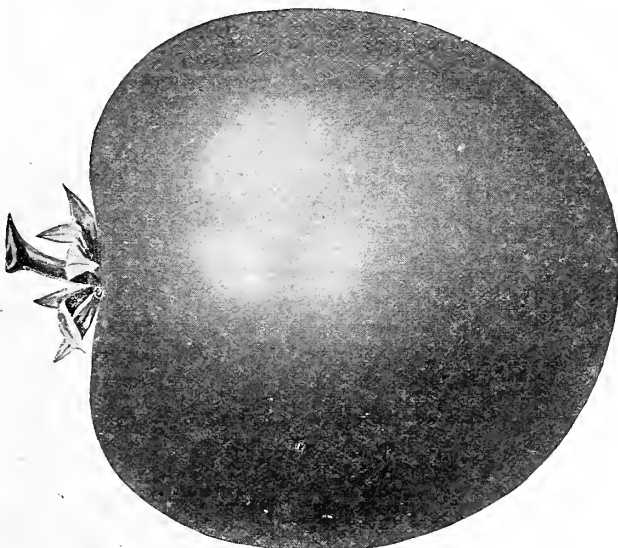
This wonderful tomato originated in the state of Wisconsin, where it has been grown exclusively for several years; Mr. J. J. Garland induced us to plant it alongside of John Baer and Bonny Best, and after most rigid test, we have found that the Garland Tomato has outclassed either John Baer or Bonny Best.

We cannot give you a better description of this tomato than what our grower claims for it: "It is as early as John Baer or Bonny Best, it produces one-third more and does not crack, which is a very important matter, keeps its size well through the growing season, being a **Continuous Bearer**, and **Excellent Shipper**. This season by last picking was of good size, after having picked from the vines for more than two months. In a test alongside of John Baer and Bonny Best, handled exactly the same, it yielded fully one-third more and the fruit was larger and freer from cracks. It is a good bearer, as good as any tomato that I know of, and I have tried most all kinds that are cultivated at the present time."

In our own test alongside of John Baer and Bonny Best, we have found that it did just as the originator said it did. We are confident that this tomato is worthy of a trial in every garden and truck patch. Price, Pkt. 15 cts., $\frac{1}{4}$ oz. (about 2,000 seeds) 25 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$3.00.

LIVINGSTON'S GLOBE.

Second-early Tomato, and is becoming one of the main varieties grown by the leading Tomato-growers because it has never shown any tendency to blight. In shape it is a beautiful globe, which permits a greater number of slices to be made. Always smooth, firm-fleshed and has very few seeds; ripens evenly. Color a fine glossy pink, tinged with purple. Bears fruit in clusters of from 3 to 7; the plants are literally loaded with beautiful Tomatoes. Of special value to all shippers. Valuable variety for forcing under glass. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.



LIVINGSTON'S GLOBE TOMATO

Miss Mary Herschberger, Route No. 4, Sugar Creek, O.—"The seed I got last year did just fine. Am getting fine results from your tomato seed."



GARLAND TOMATO

PONDEROSA.

A purplish pink. Introduced many years ago, in all that time no Tomato has ever surpassed the genuine Ponderosa in size or delicious meaty flavor. Largest, heaviest Tomato grown. Color is purplish pink; shape quite regular considering its size. Fruit ripens early, bears well until very late. Good Tomato for home use. We offer the genuine headquarters stock. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

YELLOW PONDEROSA.

Equals the Ponderosa in size but bears rich golden yellow fruits. Golden Ponderosa possesses all qualities that made Red Ponderosa most talked of Tomato throughout the land. Originated as a sport from the Red Ponderosa, comes remarkably true. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

STONE

Many gardeners and canners will have no other. A large variety, larger than several of the standard kinds cultivated. An immense cropper. Flesh solid, well colored and flavored. Ripens between the early and late varieties, grows vigorously, and no variety holds its size better late in the season. Color of skin, glossy, deep red. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

BEAUTY

Vines large, vigorous, heavy bearers; fruit large, uniform in size, very smooth, excellent flavor, color purplish-pink. The best purple sort. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

TOMATOES—Continued



MATCHLESS TOMATOES.

COLOSSAL.

Has all the qualities that made the Ponderosa famous. Is just a scarlet Ponderosa, has the same size, solidity of flesh, a rich flavor. It bears enormous crops, a mass of fruits which grow in great clusters, bears right up to frost. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

RED ROCK.

Ripens with Stone. Fruit scarlet, round, large, smooth, coloring evenly to stem. Flesh firm, fine flavor. Good producer and shipper. A variety of great merit. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

GOLDEN QUEEN

Bright yellow. Best large yellow Tomato; always smooth, ripens early; quality excellent in all respects, either for slicing or preserving. Queen of the yellows. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

PEAR-SHAPED RED.

Bright red. Fruit small, pear-shaped, about size of plum. Ripens early. Used for pickling and preserving. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

PEAR-SHAPED YELLOW.

Bright yellow. A small early Tomato, similar to Pear-Shaped Red, except in color. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

STRAWBERRY, OR HUSK TOMATO—KNOWN
AS GROUND CHERRY.

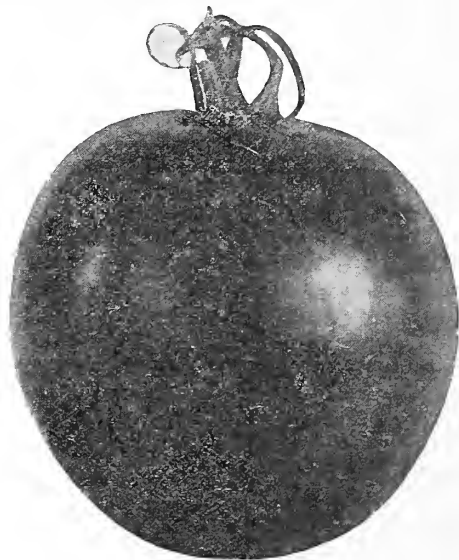
Plants of low-spreading growth and immensely productive. The small yellow fruits are each inclosed in a husk. Of very sweet flavor; highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

MATCHLESS

Bright red. Skin is so tough that it is a splendid keeper and shipper, is less liable to crack in wet weather than any other large Tomato. Fruit is free from core, seed-spaces are small. Leaves are of a rich dark green, very luxuriant, indicating great vigor, giving the plant ability to produce fruit of the largest size throughout the entire season. We can highly recommend it to all our friends, especially to those who are running market-gardens. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

DWARF CHAMPION OR TREE TOMATO

Has a stiff, vigorous, upright growth; the fruit is always round, smooth, symmetrical; color purplish pink; size medium. A good shipper. Plants may be set 3 ft. apart in rows 4 ft. apart. One of the earliest, most profitable Tomatoes grown. The dark green, wrinkled leaves bespeak a strong type. One of the best of the so-called Tree Tomatoes. A valuable home or market sort. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



RED ROCK TOMATOES.

Will you have to pay out good money later for vegetables you forgot to plant? In two minutes you can run over the whole alphabetical index, page 96. Do it now and be sure!

HERBS

Every kitchen garden should have a few Herbs. They are usually grown and are always pleasant and desirable for flavoring, perfuming and medicinal purposes. Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well-drained garden soil, in rows 12 to 24 in. apart. Cover seed lightly. Thin or transplant to stand 6 to 12 in. apart in the rows. Cultivate frequently. Herbs marked * are annual; marked † are perennial; marked ‡ are biennial.

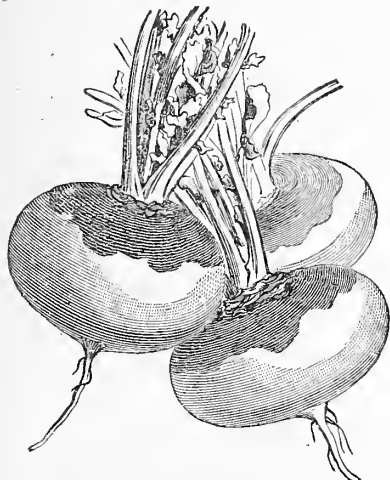
	Pkt.	Oz.	$\frac{1}{4}$ lb.		Pkt.	Oz.	$\frac{1}{4}$ lb.
*Anise	\$.10	\$0.20	\$0.60	†Lavender	\$.10	\$0.85	
†Caraway	.10	.30	.75	*Marjoram, Sweet	.10	.50	1.75
*Coriander	.05	.20	.60	†Sage	.10	.40	1.50
‡Dill	.05	.25	.75	*Summer Savory	.10	.40	
†Fennel, Sweet	.10	.25	.85	†Thyme	.10	.85	
†Horehound	.10	.30	1.00	†Winter Savory	.10	.85	

"Holco" Culture Leaflet the Vegetable Garden (Free with order when asked for)

TURNIPS

One ounce to 250 feet of row; one and a half pounds to the acre in drills, or two and a half pounds broadcast

Sow early varieties in April, in drills 12 to 18 in. apart. Cover seed $\frac{1}{2}$ in., and thin out to 4 to 6 in. in the row. Cultivate frequently. For succession, sow at intervals until the last week in May. For fall and winter crop, sow in July or August, in drills or broadcast. (Turnip seed crop very short.)



PURPLE TOP STRAP LEAF TURNIP.

PURPLE-TOP STRAP LEAF.

One of the best table and stock Turnips on the market, being fine grained, never stringy and of mild flavor. Is white below, with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 8 or 9 weeks. Good cropper and an excellent keeper.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

PURPLE-TOP WHITE GLOBE.

A large rapid-growing sort, with globe-shaped roots. Flesh pure white, and the best flavored; the skin is white, with a purple top. On account of its shape it will outyield any other sort. A strictly first-class strain. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

WHITE GLOBE.

This great Turnip in rich ground will attain a weight of 12 pounds. Shape of root the same as Red or Purple-Top White Globe. Skin and flesh pure white; smooth, quick to mature.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

COW HORN.

A long white Turnip. Grows to a large size, standing half out of the ground. Is fine-flavored, desirable. Cow Horn Turnip sown in connection with rape is one of the newly recommended things for green manuring purposes.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

WHITE EGG.

An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. The roots of this quick growing garden sort when in best condition for use are usually about 2 in. in diameter and about $3\frac{1}{2}$ in. long.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.75.

LARGE AMBER GLOBE.

One of the best yellow-fleshed varieties, grown usually for stock feeding. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. The variety keeps well and is a good cropper.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.75.

RUTABAGAS or SWEDE TURNIPS

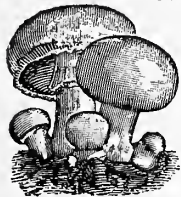
One ounce to 250 ft. of drill; $1\frac{1}{2}$ lbs. to the acre in drills, or $2\frac{1}{2}$ lbs. broadcast.

Does best on new land, or light, sandy soil. Sow the seed from the latter part of June until August in drills 15 to 24 in. apart. Cover seed $\frac{1}{2}$ in., and thin out to 6 to 8 in. in the rows. Cultivate frequently. Can be sown broadcast.

AMERICAN PURPLE TOP YELLOW.

The finest, most profitable of all the Swede Turnips, being the hardiest, heaviest, best shaped and most productive. The roots are better keepers than other sorts. The flesh is of a beautiful yellow; of the choicest quality, full of nourishment.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.75.



MUSHROOM SPAWN

Growing Mushrooms Profitable Business
Cultural directions free for the asking

Pure-Culture Mushroom Spawn.—By a newly discovered process of selection and grafting, the spawn is scientifically propagated so that large, vigorous and finely flavored Mushrooms are reproduced. The sort we offer is earlier, more productive and a marked improvement on wild spawn, either French or English.

Brick (about $1\frac{1}{4}$ lbs.), 35 cts., 5 bricks, \$1.75. Brick will spawn 10 Square Feet.

MUSTARD

One ounce will sow
75 feet of drill

The seed leaves are used for salad; when older, they are boiled for greens.

Giant Southern Curled—A favorite in the South, where it is sown in the fall for spring salad.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

White London—Generally used while young in salads and garnishing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

GARLIC BULBS—Write for prices.

HORSE-RADISH ROOTS—(Ready in March)

Set the roots in spring in rows 6 in. apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use during the winter, cut off the tops, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Bohemian Maliner-Kren—A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers have it.

Sets of Roots, per doz., 35 cts.; 50 for \$1.00 post-paid; by express at expense of purchaser, 50 for 65 cts., 100 for \$1.25; 1000 for \$8.00.

FIELD CORN 15 to 20 pounds to the acre if planted in hills

Northern grown Tested Seed Corn carefully selected in the field, consideration being given to the plant as well as to the ears, trueness to type, uniform maturity, and other essential facts.

IT PAYS TO PLANT TESTED SEED

Statistics show that the average yield of Corn in the United States is only 26 bushels to the acre. That this low average is not caused by poor crops raised in northern districts unsuited to Corn-growing is proved by the fact that the New England States, with their short growing season, yield as great an average crop as any other part of the country. While weather conditions often unfavorably affect the Corn crop, the real responsibility for such a low general average production lies, in the practice of planting unselected, inferior seed.

By planting tested sorts any farmer may double his yield, or, in other words raise the same quantity on an acre as he previously raised on two acres, with a consequent reduction by one-half of the labor of plowing, harrowing, planting, cultivating and harvesting. Pedigree varieties of seed Corn are carefully selected in the field in order to preserve the types, and are carefully dried and stored during the winter in order to preserve their vitality.

GOLDEN GLOW CORN

The Golden Glow is a Pure Bred Corn, the result of scientific corn breeding; a cross between two early high yielding strains. This variety has been one of the most popular strains of corn grown in the northwestern states, where an early maturing variety must be planted. It is a high yielder as well as an early ripener. At the Penn. Experiment Station, Golden Glow was one of the high yielding varieties which fully matured when carefully tested. Under average northern conditions this corn will mature in 90 days. When season is very favorable will easily ripen in 85 days. Stalks 8-10 ft. high, bearing good sized ears, 7-9 inches long, averaging 16-18 rows of kernels. As a hardy, vigorous variety, Golden Glow has no equal. Sample ear 35 cts., postpaid. Write for our price list on Seed Corn.

SILVER KING CORN

An early white variety of corn that has been under constant selection by corn breeders for over 45 years. On good soil this variety of corn will produce a higher percentage of good marketable ears than most any other variety. This variety is especially recommended for silage on account of its leafy stock and is grown in Southern Canada and northern states for this purpose, largely. The Penn. Experiment Station found it one of the few heavy yielding varieties tested. Grows from 9-12 feet depending on soil and moisture conditions; handsome big ears 8-9 inches long with 18-20 rows of medium sized kernels. For those who desire a white variety which will mature under Northern Ohio conditions, will find this variety especially suited to their needs. Sample ear 35 cts., postpaid. Write for our price list on Seed Corn.

EARLY GOLDEN SURPRISE

90-day Yellow Dent Corn. Large, handsome ears. A heavy yielder. Entirely distinct. Stalks short and strong. Deep grained. Small Cob. A great feeding Corn. Beautiful in its rich golden color, even size from butt to tip of the ear. Profitable in its depth of grain and small percentage of waste in cob. Convenient in its short fodder growth and easy break of ear from the stalk. Certain in its early maturity, one of the best early Corns up to date. Sample ear 25 cts., postpaid. Write for our price list on Seed Corn.

CLARAGE

Originated in Ohio, some years ago, has been improved by selecting larger and longer ears. It is a heavy yielder and will ripen in the most unfavorable seasons. It is adapted to either clay or black ground. It makes solid showy corn and will mature in 110 days or less. Ear medium size, deep grain and producing a medium tall fodder. The cob is small. Many men who have tried it, claim that they can depend on it to get a crop. Price, sample ear 25 cts., postpaid. Write for price list on Seed Corn.

"GOLDEN GLOW" Pure Bred Corn

Wesley Dubach, Rochester, O.—"Was well pleased with the ear of Golden Glow Corn you sent me. I tested it and every kernel started all right."

"Buy early"—Write for our current Farm Seed price list on Seed Corn.

"HOLCO" CASH CORN



"Holco" Cash early to mature and a yielder of finest ears. "Holco" Cash Corn, deep grained, yellow, the smallest cob of any variety known. The ears are large, well filled at the butt and tip ends, with beautifully formed deep grains. This corn is, without doubt the best feeding corn in existence. Matures in about 80 to 100 days. It certainly is an ideal corn. Everyone will buy it for seed that sees it. It is with a great deal of pride and satisfaction that we offer this new corn to our customers. Our grower has grown it on his farm for about 10 years, by careful selection he has it as near perfect as any corn we have ever tried. In fact, everyone that sees it, at once recognizes it as the ideal corn. 62 lbs. of shelled corn per bushel. 70 lbs. of ears, only 8 lbs. of cob; it is all corn. Your money back if the seed is not satisfactory. Why not give it a trial?

Sample ear 25 cts. postpaid; quart 50 cts. postpaid. Write for price list on Seed Corn.

DROUGHTPROOF

Resists drought and scorching heat better than any other variety. Droughtproof originated in Erie Co., Ohio. A large grain Yellow Dent Corn. Brightest color of grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by great depth of grain. Its beautiful color, long grains, large ears—taking all points combined, it is the finest yellow Corn ever introduced and each customer who gives it a trial will be fully convinced that it is the best 90 to 100 day Corn ever planted. Droughtproof Corn is excellent, and should be tried by all farmers. It will yield big crops wherever corn can be grown. We advise all our friends to try it.

Sample ear 25 cts., postpaid. Write for price list on our seed corn.

LONGFELLOW

A large, eight-rowed yellow Flint variety, well adapted for the northern states. The ears are long, some of them measuring 15 in., and oftentimes two or more good specimens grow on one stalk. Grain long, broad and yellow. The cob is quite small. Write for price list on Seed Corn.

PRIDE OF THE NORTH

85-day Yellow. We believe Pride of the North will mature farther north than any other Dent Corn. Strong, hardy, vigorous grower; can be planted thickly and still make good-sized ears. Is excellent for ensilage or fodder. For husking crop it ripens early, dries out quickly and is an all-round, very satisfactory kind. It has a bright red cob, ears medium size, with deep kernels. Many of the stalks have two good ears. Especially adapted for the northern planter, and will make good crops where Dent Corn is planted in Michigan and New York.

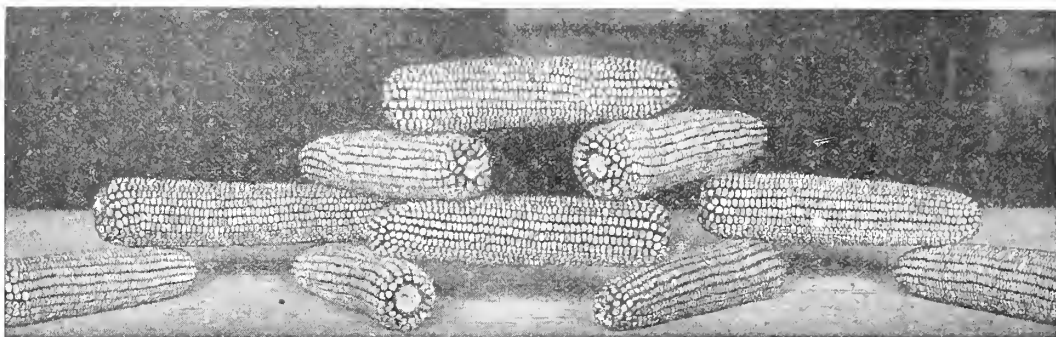
Sample ear 25 cts., postpaid. Write for prices.

WHITE CAP YELLOW DENT

As its name indicates, produces ears of corn that have a white appearance on the outside but the sides of the grains are yellow, and when shelled the grain is yellow. The White Cap here offered makes long ears. This is a marked characteristic of the variety. It does not need an extremely rich soil. It will even do comparatively well on soils counted as not fertile. The ears are not so thick, running from 14 to 20 rows of grains. The grains are of average depth—square rather than pointed in shape. Matures in 100 days.

Sample ear 25 cts., postpaid. Write for price list on seed corn.

"Buy Early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.



"HOLCO" SURE CROP CORN

NORTHERN GROWN

We are glad to be able to offer this grand early Yellow Dent Corn to our customers. "Holco" Sure Crop is an ideal early Yellow Dent Corn, and we do not hesitate to say that it will be one of our leading corns. We feel sure it will be as popular with all corn growers as our Golden Surprise. Matures under favorable weather conditions in 90 to 100 days. Has a strong root growth, which holds it up well during wind storms. The stalks grow to a height of 9 to 10 ft. Ears average 9 to 10½ in. Cob very thin, often producing two large ears to a stalk; the grains, which are long and wide, are of a bright, golden yellow. Is a splendid yielder on light soils, while on rich, fertile soils it is a wonderful cropper. "Holco" Sure Crop will grow and produce its crop in any corn growing State in the Union.

Sample ear 25 cts., postpaid. Write for price list on Seed Corn before buying.

REID'S YELLOW DENT

The most popular Yellow Dent Corn in the Great Central Corn Belt. Does equally as well in Ohio as it does in Illinois. For a number of years past Reid's Yellow Dent has been one of the most popular varieties of the Middle West. It is a true Dent Corn, color a beautiful golden yellow, with one of the smallest cobs for size of ear of any yellow Corn. Ears are frequently 10 to 11 in. long, 7 to 8 in. in circumference. Is easily shelled, matures its crop under favorable conditions in about 110 days. It undoubtedly has taken more prizes at the Illinois State Fair and other Great Corn shows in various parts of the country than any other variety.

Sample ear 25 cts. postpaid.

Write for price list on Seed Corn.

GOLDEN STANDARD LEAMING

The Leaming Corn was first originated in Ohio in 1826, by J. S. Leaming. For cattle, hogs and sheep there is none better. Rich in both protein and oil, it becomes the ideal from a feeder's standpoint. The cob is more readily crushed and masticated by cattle than most varieties. For the dairy districts, for ensilage purposes, Golden Standard Leaming is unsurpassed. Possessed of an abundance of foliage, with broad, fine-quality leaves and heavy stalk, 12 to 15 tons of ensilage to the acre is an average yield. While this Corn is recognized by all as the great ensilage and feeding Corn, it is also a big yielder under modern methods of selection and breeding. The ears are of fine quality and the stalks and broad foliage are very succulent. It is of a rich yellow color and requires 110 to 115 days to fully mature.

Sample ear 25 cts. postpaid. Write for price list.

TESTED ENSILAGE CORN

RED COB ENSILAGE

A large, tall growing variety, popular for ensilage, is used considerably in certain sections of the country, not as leafy or early as "Holco" Blue Ridge. Our stock of seed was well matured, dried and protected.

Write for price list on Seed Corn.

SWEET FODDER CORN

Best for cutting and feeding green during the summer months. This is better than any field Corn, from the fact that it is so very sweet and nutritious that cattle will eat every part of the stalk and leaves with relish. Drill thickly, in rows 3 ft. apart, using 1½ bu. of seed to the acre.

Write for price list on Seed Corn.

Wm. Graber, Ohio.—"The seeds we bought of you last spring gave us good results so I want to get my seeds of you again this year. An order for garden seeds will follow later."

Laurel Brady, Wisc.—"Received your catalog a few days ago and was very well pleased with it. We received an order of seeds from your Company last year and it was very satisfactory, so we are planning on getting another order this year from you."

Taylor Conway, Ohio.—"We have received an order from you and wish to thank you for the immediate delivery of same."

Mrs. Earl J. Connelly, Okla.—"I want to thank you for the seeds you sent me. I was surprised to get such large packets; I only expected samples."

Guy H. Stafford, Ohio.—"Received seeds all right. Have been well pleased with our dealings so far and hope to be as well pleased with the corn."

"Buy Early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.

"Holco" Famous Tested Southern Ensilage Corn OLD VIRGINIA ENSILAGE CORN

Is one of the most popular and satisfactory of all ensilage corn. Grows to a large size, is very leafy and well adapted for ensilage. There is no corn more difficult to cure or keep properly, and much of it is kiln-dried, while large quantities have been stored in elevators and gone through a sweating process which has destroyed the germs. Our stock is carefully selected and dried. We can assure you high germination. Write for prices.

EUREKA ENSILAGE CORN

Grows very tall, leafy, short-grained, but one of the most productive, both in growth of fodder and grain, many of the standard varieties. Originated in Virginia and our stock is grown by the originator. We can assure you corn of strong germination. Write for price list.

C. A. Briggs, R. D. No. 1, Ohio.—"Please send me your prices on Ensilage Corn. We have been well pleased with everything we have received from you."

"HOLCO" BLUE RIDGE ENSILAGE CORN

Earliest—Grows Tall—Has the Most Leaves—Greatest Number of Ears



FIELD OF BLUE RIDGE ENSILAGE CORN

"HOLCO" BLUE RIDGE ENSILAGE CORN was originated at a high altitude in the Blue Ridge Mountains of Virginia. It is the result of careful selection for many years. This selection was made with the view of getting more foliage and the earliest, largest yielding ensilage corn in cultivation. It has been grown entirely away from all other varieties. On account of its being grown at a high altitude in the mountains, it is earlier than any other southern grown ensilage. "Holco" Blue Ridge Ensilage grows tall, attaining a height of fourteen to sixteen feet, is the most prolific in its nature, having from two to four ears to the stalk, makes the heaviest and thickest growth of fodder of any southern ensilage, and is altogether in our opinion and those who grew it the past three years, the best and most productive of all ensilage corn. "Holco" Blue Ridge Ensilage is grown especially for us by a specialist and selected in the fields and properly taken care of. Our seed is shelled and graded

ed and will show a germination test of 94 per cent or better. Write for price list on seed corn.

ADD SOY BEANS TO YOUR SILAGE. Under Seed Corn we take space to urge our friends who have Silos to grow Soy Beans for Silage as well as Corn. One third Soy Beans to two-thirds corn will make your Silage a perfect ration. The Soy Bean plant will supply the protein that the Corn lacks. You can grow the Soy Beans right in the same row as the Silage Corn. Or plant the Soys separately.

FIELD PUMPKINS

We place these among our field seeds, as they are excellent for feeding stock, and should be grown in every corn field. Hundreds of loads of pumpkins can be grown without any extra expense.

CONNECTICUT FIELD. This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. Lb. 85 cts., postpaid.

MIXED PUMPKIN SEED. We offer a mixture of Pumpkin seed, consisting of large Mammoth and field sorts, and also the choicest pie pumpkins. Lb. 85 cts., postpaid.

Forest Lawn Farm, Wisc.—"Received the Blue Ridge ensilage in good condition, germination is very good."

FLAX SEED

In procuring Flax Seed attention should be paid that it be healthy and perfectly clean, as this is such an important item. We offer good, clean and healthy seed of this variety at a very reasonable price. Cleaning Flax so as to make it suitable for seed is an expensive operation, requiring special machinery, and often involves considerable waste.

Write for prices before buying.

"Buy Early." Due to present conditions, all prices subject to change. Write for current Farm Seed price list

ALFALFA or LUCERNE The Greatest Forage Plant in the World

"There is no state in the Union in which Alfalfa cannot be successfully grown."—U. S. Department of Agriculture



ALFALFA

Full cultural instructions will be found in our new Booklet "ALFALFA." Sent free to all who ask.

drilled in; in the South sow in February or Sept. Ask for our current farm and seed price list before buying.

RED CLOVER. This is far the most important clover grown. It thrives on strong, well drained loams, it does well on a great variety of soils, excepting sour or acid soils. Red clover does not last over two years. Makes a good pasture, stock thrive on it. Red clover is very valuable adding humus and nitrogen to the soil. If grown alone, sow 12 to 14 pounds per acre. Red clover may be sown with grasses but is usually grown with timothy, 8 to 10 pounds of clover and a half bushel of timothy seed per acre. Weight, 60 lbs. per bushel. Price, lb. 50 cts., postpaid. Ask for our current farm seed price list before buying.

ALSIKE CLOVER. While not strictly a perennial, it usually remains in the ground for several years. It will stand acid soil better than Red clover. It should be used in mixture on a soil where the seeding is to remain three years or more, is preferable to Red which dies in two years. Alsike is often mixed with Timothy as they ripen together, and does not crowd the Timothy as badly as Red clover. Alsike will keep Red clover from heaving out, due to its spreading roots. A good hay mixture is 3 parts Red Clover, 3 parts Timothy and 1 part Alsike. Alsike is also one of the best honey producing plants that can be grown, when sown alone requires 5 lb. seed to an acre. Our seed is pure and plump. Weight, 60 lbs. per bushel. Price, lb. 50 cts., postpaid. Ask for our current farm seed price list before buying.

Alfalfa is a true leguminous plant, and a perennial, staying on the land for many years. It sends down its long, tap roots into the sub-soil, whatever depth that may be—5, 10 and 20 ft., and utilizes the plant foods contained therein.

Montana Dry Land is the best alfalfa seed in the world. Montana alfalfa is the hardiest in the world, being successfully grown in coldest and driest parts of the United States, in Canada, Alaska and Russia. Montana Dry Land seed is of high germinating power and brings a premium in all markets. It is hardy because the fields are annually subjected to extremes of heat, cold and drought. For these reasons Montana Dry Land is the best.

Prof. C. B. Waldron, of Fargo, says: "The well-known hardiness of alfalfa makes it especially suited for growing in the northwest, though the possibility of succeeding with Montana-grown seed has also been thoroughly demonstrated."

We think this statement is sufficient proof of the claims we have made. We will be pleased to mail samples of our seed; is free from quack grass, buckhorn, Canada thistle, fan weed, wild oats, mustard or dodder. As a hay producer it surely has no equal when once established, as from 3 to 4 cuttings may be had in a season, according to conditions, totaling 4 to 6 tons per acre.

Alfalfa naturally prefers a rich, loose limestone soil with a porous subsoil; but it also grows and thrives on a variety of soils, and in many different climates. Briefly, there are three essentials—the land must be drained if wet, it must be sweetened with lime if acid, and there must be humus and nitrogen in the soil, which may be easily supplied by barnyard manures, or green crops plowed under. When lime is not present in the soil, it must be supplied, the amount used being 2 tons of limestone per acre.

The crop should be cut when new plants start at the crowns. The time to sow in the North and Eastern States is early spring or August, 20 to 30 lbs. per acre if broadcasted, or 15 to 20 lbs. if

MAMMOTH OR SAPLING CLOVER. Similar to Red Clover in appearance of seed and habit of growth. As a soil-producer to plow under, it is considered superior on account of its extra growth, and when sown for hay produces very large crops. A good variety for thin soils. Sow 10 to 12 lbs. to the acre, when sown alone; when sown with timothy, use 6 lbs. Sapling Clover and 8 lbs. Timothy to the acre. Fancy seed. Lb. 50 cts., postpaid. For larger quantities write for price list before buying.

CRIMSON CLOVER. It is equal to any Clover for hay, comes some earlier in the spring than any other. As valuable as Red Clover to plow under, yet it may be sown among growing corn at the last cultivating, and be ready to plow under in time to put another corn crop on the same ground the very next year. Sow 15 lbs. to the acre. Lb. 25 cts., postpaid. Ask for our current farm seed price list before buying.

WHITE DUTCH CLOVER. A low close-growing clover, round, white heads, very fragrant, best adapted to moist soils, but does well on dry land. Excellent for lawns. Price 75 cts., postpaid. For larger quantities, write for prices.

CAUTION. Every care should be exercised in buying Red Clover, for there are always on the market at a cheap price large quantities, badly infested with weed seeds, which in size and appearance closely resemble Red Clover, and cannot be cleaned out. Our seed is of high germination, pure and free from weed seeds and foreign matter.

"Buy Early"—Prices of Clover subject to change. Write for our current Farm Seed price list.

WHITE SWEET CLOVER (*Scarified Seed*)

The Most Remarkable Forage Plant in the World

We would like to call your attention personally to the merits of sweet clover for pasture, hay and soil improvement; and to the advisability of sowing some of it this summer or fall, on stubble land after grain harvest, with fall sowing of grain, in corn at last cultivation or sowing alone. With seed treated on an Ames Scarifier, excellent results are obtained by sowing in summer or early fall, and 10 pounds of treated seed per acre will give a good uniform stand.

Sweet Clover is coming into its own. Instead of being the despised roadside weed that it once was, it is now being planted extensively, as few plants grow better in heavy clay soil, alkali ground and many other places where the ordinary grasses cannot exist.

Sweet Clover will provide more feed per acre than any other form of Grass.

One farmer declares that five acres of Sweet Clover carried more stock than forty acres of Timothy and Clover would.

Another farmer has a sixteen-acre tract of Sweet Clover which has pastured an average of two mature animals to the acre, or thirty-two animals all summer. Besides this, he cut several good loads of hay from one corner of the field where the clover grew most rank.

Sweet Clover stands drought well and does not cause stock to bloat.

Our seed is cheaper this season than usual, affording a good opportunity to get a start with this crop and to give it a trial. **Lb. 40 cts., postpaid.** Ask for our current farm seed price list before buying.

"Holco" Recleaned Grass Seeds

Prices subject to Market Changes. Ask for our Current Farm Seed Price List.

TIMOTHY

Is distinctly a grass for hay. It is more or less injured by pasturing it. Is hardy and is a part of all permanent grass mixtures. Grows well on almost all soils, even on light soils, it yields fair crops. Eleven pounds is usually sown per acre, or if clover is to be sown in the spring, 45 pounds to six acres. A satisfactory mixture is seven pounds Timothy, seven pounds Red and three pounds Alsike, weight per bushel 45 lbs. We have extra fine grade of timothy seed this year. We reclean all of our seed before shipping.

Price, 20 cts. per lb., postpaid. Write for prices on larger quantities.

KENTUCKY BLUE GRASS

It makes the best sod of any grass and does fairly well on a wide range of soils though it is better adapted to clay than to sandy loam. It is a good pasture grass, but not so good for hay. Is excellent for lawn and pasture mixture. Sow 30 to 40 pounds per acre. Though offered at the standard weight of 14 lbs. per bushel, we handle nothing but fancy recleaned Seed, free from chaff, the natural weight is 20 to 25 lbs. per measured bushel.

Price, 45 cts. per lb., postpaid. Write for prices before buying.

CANADA BLUE GRASS

A valuable grass for hard dry soils. It grows on land so poor and thin to exclude the growth of other grasses. Being a creeping habit, it forms a strong turf. Is valuable pasture grass on dry soils. Sow 30 to 40 lbs. per acre, weight 14 lbs. per bushel.

Price, 30 cts. per lb., postpaid. Write for prices before buying.

We carry other varieties of grasses in stock and will be pleased to quote prices and mail samples on application.

"Buy Early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.



TIMOTHY

Henry Landis, Lancaster county, Penn.—"Your Timothy Seed was the cleanest I have seen. Will send clover order soon."

RED TOP

Red Top succeeds almost everywhere. Does better on moist land. Is valuable for pasture and hay. It is often sown with Timothy and Red Clover. We offer only one grade of Red Top, the finest fancy recleaned Seed, weight 32 lbs. per bushel. Sow 15 lbs. per acre.

Price, 30 cts. per lb., postpaid. Write for prices before buying.

ENGLISH RYE-GRASS

It produces an abundance of fine foliage and forms a compact sward. Is very valuable for permanent pastures, when cut grows up in a very short time and remains bright and green throughout the season. It is sometimes well adapted in lawn mixtures. It is also a good variety for hay if cut when in blossom. Does well on land not too dry. Sow 50 lbs. per acre, weight per bushel, 24 lbs.

Price, 35 cts. per lb., postpaid. Write for prices before buying.

ORCHARD GRASS

Orchard Grass (Cocksfoot) will stand more drought than Kentucky Blue Grass. It starts early in the spring and grows rapidly so that it is valuable in a pasture mixture. Orchard Grass grows in tufts or bunches so that it will not permit an even sod. Makes a good growth in shady places. Twenty-eight pounds will sow an acre, weight 14 lbs. per bushel.

Price, choicest recleaned Seed, 35 cts. per lb., postpaid. Write for prices before buying.

BERMUDA GRASS

Good for both pasture and hay. Especially adapted for the South, where other grasses will not grow. It is a drought resister and used for binding banks or creeks and dams, etc., due to its roots running over the surface of the ground. Will not succeed further north than Ohio River. Sow 5 lbs. per acre.

Price, 35 cts. per lb., postpaid. Write for prices on larger quantities.



FARM SEEDS

ALL OUR NORTHERN GROWN FARM SEEDS ARE SOLD UNDER TEST AS PER AGREEMENT WITH THE DEPARTMENT OF AGRICULTURE.

OATS

There is no crop which comes nearer than being raised at a loss than oats, if a good clean high yielding variety is not sown. Oats should be sown early in the spring, preferably on fall plowed land. Seed by drill or broad-cast, using 64-96 lbs. per acre. Bushel 32 lbs.



Chas. Chader, Mgr. of The H. H. Timken Farm, Canton, standing alongside a field of Wonder Oats. Note the height and stiffness of straw.

Wonder or Pedigree One

Remarkable for its Productiveness and its Stiffness of straw

The greatest oats for heavy soils ever produced. Bred and improved for a stiff straw, which prevents lodging on rich soils. A white oats with a thin hull and spreading head. When grown in comparison with other varieties, it far out-yields them. A medium early oats of wonderful yielding power. Genuine pedigree seed, true to type and name. Ask for our current farm seed price list before buying.

IMPROVED SWEDISH SELECT

This is an improved strain to the Swedish select. Variety introduced by the U. S. Department of Agriculture some 15 years ago. Under constant improvement and selection since that time this variety has become the most popular oats in America. Has a large, white, plump kernel and spreading head. A tremendous yielder on light soils, due to its extensive root system. An early maturing, uniform ripening strain. Well adapted to the average soil.

Ask for our current farm seed price list before buying.

SIXTY DAY OATS

A variety which is coming into popularity for very rich, moist soils. The straw is short to medium height and very stiff. Two weeks or more earlier than other varieties. Kernel is of a light yellow color and smaller than common varieties. Very thin hull but has a very plump, meaty, berry. At Iowa and Wisconsin Experiment Stations, Wisconsin Sixty Day Oats has out-yielded all other varieties. Our seed is Pure-Bred and of improved stock.

Write for our current price list before buying.



FIELD IMPROVED SWEDISH SELECT OATS

"Buy Early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.

Barley—"Holco" Pedigreed Northern Grown

Sow barley on fertile soil, 72 to 84 lbs., if drilled; 96 to 120 lbs. broadcast. Seed early. 48 pounds of barley makes excellent nurse crop for alfalfa. Barley is second only to corn in feeding value, bushel 48 lbs. Due to present conditions, all prices subject to change. Write for our current price list.

WISCONSIN PEDIGREE BARLEY

The World's Champion Bearded Barley.

The highest yielding variety ever grown. This barley is the result of 15 years breeding work at the Wisconsin Agricultural College. Our seed is genuine Pedigree Stock. Yields 5-10 bu. more per acre than common. Ripens uniformly. Noted for stiff straw and plump kernels. Write for our price list before buying.

CHAMPION BEARDLESS BARLEY

A favorite with many who do not like the bearded varieties. Easier to handle as it is free from objectionable beards. Preferred by many stock feeders on this account. Our stock is clean and uniform. An early ripening, very productive strain. Write for lowest prices.

IMPROVED HULLESS BARLEY

The entire hull is removed in threshing. Sown for feeding poultry, hogs, and other live stock. Makes good hay when cut green. Has no beards. Write for prices.

DWARF ESSEX RAPE

The cheap but ideal feed for sheep or hogs. A pasture crop every farmer should plant for its valuable forage quality. Rape is a rank feeder and should be sown on very fertile and rich soil. One acre will pasture from 20 to 30 sheep or hogs for two months. Sow broadcast 3-5 lbs. seed per acre. When sown in drills 1-2 lb. Plant about June first or later. Our seed is of choice quality and genuine selected stock. Write for current price list.

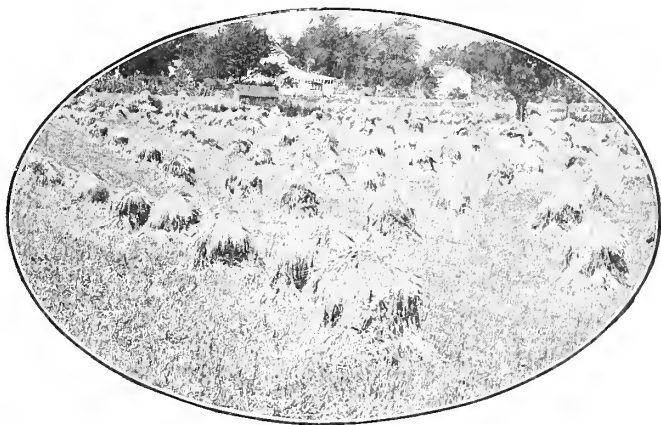
BROOM CORN

IMPROVED EVERGREEN. The best variety for brooms. Brush long and straight; bright green color. Highest quality of seed. Drill 15 lbs. seed per acre and cultivate. Bu. 48 lbs. Write for lowest prices.

BUCKWHEAT

Will thrive on light soils and often sown as a catch crop late in spring or summer. If sown broadcast, 50 pounds of seed required, in drills 35 lbs. A valuable crop for bees, green manuring or seed, bu. 50 lbs.

JAPANESE BUCKWHEAT is an early variety which can be sown farther north than other strains. Seed is very large and a heavy producer. Write for lowest prices.



WHEAT

At prevailing high prices wheat is the crop. Be patriotic and plant our high yielding varieties. Spring wheat planted early after oats, drill bushel per acre. Winter wheat sown in fall. Seed with drill 90 pounds per acre. Wheat does best on fertile clay loam soil, bushed 60 pounds.

MARQUIS SPRING WHEAT

Remarkably Early—Very Productive—Best Milling Quality.

The newest, earliest and most productive spring variety ever produced. Another triumph of the plant breeder. Originated at Central Canadian Experiment Station and now grown on the vast fields of Canada. Ten days earlier than others. If you want a spring wheat this variety will be sure to please.

Ask for our current farm seed price list before buying.

SPELTZ (*Emmer*)

Is good for pasture; speltz fattens in the green state.

Speltz thrives on poor soil, yields more than wheat or barley, is better feed than oats; stock relish it; ripens early, will grow most anywhere where wheat and oats grow, endures drought, resists rust, endures frost.

It is excellent nutritive feed for cattle and stock of all kinds; poultry relish the grain.

Speltz is the greatest dry food on earth.

Seed 60 pounds per acre, bushel weight.

Ask for our price list before buying.



CHAMPION BEARDLESS BARLEY.

"Buy Early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.

RYE

A hardy crop and will make a larger yield on poor land than any of the cereals. Spring Rye sown as other spring grains. Often sown for pasture. Winter Rye sown in fall. Valuable for late fall pasture and to prevent leaching of the soil. Seed 85 lbs. per acre, bushel weighs 56 lbs.

SPRING RYE

For early spring seeding use this variety. Straw shorter and stiffer than winter variety. A good crop for light soils. Profitable to plant for hogs or cattle.

Write for lowest prices.

PEDIGREE WINTER RYE

This variety of winter rye improved by years of breeding and selection at the Wisconsin Experiment Station. This Rye yields heavy on good soils, 35-50 bushel, and on sandy soils out-yields common rye 15-20%. Its strong stiff straw prevents lodging. Kernels are largest and plumpest of any rye produced. Genuine Pedigree Stock well acclimated to eastern soils.

Ask for our current farm seed price list before buying.

ROSEN RYE

Produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color, commanding a premium on the market over common grain owing to its vigorous stooling property, less seed is required, 56 lbs. per acre proving sufficient. Write for lowest prices.

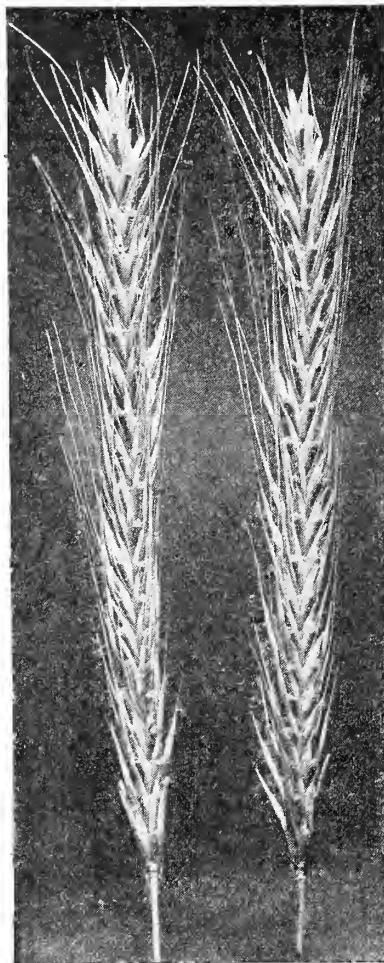
Louis E. Avery, N. Y., R. D. No. 1.—"Accept thanks for your promptness in filling my order for seeds."

SUGAR CANE OR SORGHUM

A wonderful amount of feed can be grown on an acre planted to sorghum. Yields 8 to 10 tons. A fine dairy feed and liked by all stock. For forage, sown 50 pounds per acre the early part of June. For syrup, drill 8 pounds of seed in rows and cultivate like corn. Bushel 50 pounds.

EARLY AMBER CANE. The choicest variety for forage or syrup. This is the earliest and richest strain for northern latitudes. Our seed is clean and highest grade. Write for prices.

GEM SORGHUM. Grows 8 to 12 feet high. The greatest known fodder for horses, cows, hogs and sheep. Each stalk is filled with a sweet juice from which molasses is made. One bushel of seed to the acre. Write for our current price list.



HEADS PEDIGREE RYE

MILLETS

Splendid crops for hay or soiling, can be sown both in spring or early summer, as catch crops. Thrives on fertile soils. Sow broadcast 50 lbs. per acre, drill 30 lbs, slightly less where sown for seed, bushel 50 lbs.

GOLDEN MILLET

A medium early variety, large beany heads. Will produce an enormous crop on rich, moist soils. When young, makes an excellent pasture.

Write for prices.

HUNGARIAN

The best variety for hay, stems slender with very abundant leaves and smaller heads. Very quick grower and can be sown late.

Write for prices.

JAPANESE

Recommended for both as a green fodder crop or for hay. Grows 6 to 8 feet high and is not particular as to soil. Yields heavy crops, stools freely. Only 12 to 15 lbs. of seed sown broadcast are required for an acre.

Write for prices.

Joseph Mathey, R. D. Penna.—"I received your seed and find them all O. K."

John F. Cannon, Ohio.—"Order received promptly and seeds that have been sown are showing up fine."

VETCH

SAND OR WINTER VETCH. One of the best legume crops for forage and fertilizing purposes. Builds up poor soils and prevents leaching during the winter. Extremely hardy and will live all winter. For furnishing abundant late fall pasture, sow 60 pounds of seed the latter part of August with 56 pounds of fall rye, which supports the vines. Can be sown in spring with small grain for late summer pasture. Vetch is a legume and adds large amounts of nitrogen to the soil through its roots if properly inoculated. Ask for our current farm seed price list before buying.

L. H. Hershey, Stark Co., Ohio.—"I was very much pleased with the Spring Wheat, and the results, which I received this last spring."

Taylor Farm, Ohio.—"The Dwarf Essex Rape certainly proved to be a great value to us this past spring. Had an abundance of pasture for the hogs."

SOY or SOJA BEANS—NORTHERN GROWN

There is no better forage for cattle, horses, and hogs than Soja-bean hay. Superior over the Cow Pea, as the forage is more nutritious, either as seed, hay or ensilage, and the seed is weevil proof.

Grows wherever corn will mature, resist frost better than corn. Adapted to lighter soils. Can be grown for seed or hay, other forage too. Hogs, dairy cattle, and sheep make good use of Soy Beans.

One-third Soy Beans to two-thirds corn makes a good silage mixture. Hogs make rapid gains on soy bean pasture. Soy Beans are good as green manure. Plant about the same time as corn. Drilling gives best results. Cultivate as you would corn.

SOY BEANS ARE VALUABLE

Because they are more resistant to heat and drouth than are clovers and alfalfa.

Because they rank with linseed and cottonseed meals as a concentrated feed for cattle, sheep and swine. Because the hay is about equal to alfalfa in feeding value.

Because they gather nitrogen from the air and store it in their roots, thus improving the soil on which they grow.

Because they may be substituted as a catch crop for clover when that kills out.

Soy Beans bring the best returns when planted on rich soils but they can be grown for hay and seed on sandy soils which do not grow the clovers well. Soy Beans are high in feeding value.

Soy Beans are great nitrogen gatherers and may be used with profit in the improvement of our sandy and sandy loam soils.

We recommend this crop to the careful consideration of the growers, stockmen, and general farmers.

For Hay. When the ground is thoroughly warm, drill Soja-beans solid, 90 to 120 pounds per acre. Barely cover. Using the oats feed.

The hay crop should be harvested about the latter part of August and the cutting should be done in the afternoon, as the sap is down more at that time. The hay should be tedded each morning while dew is on until dry.

For Seed. Make rows 28 in. apart. Plant shallow, 30 lbs. per acre, after corn is well up. Cultivate two or three times.

EARLY BROWN

Mr. Evans of Michigan, introducer of this variety, states that Early Brown is a better variety than Ito San, besides being earlier, produces more hay and is hardier. Being early can be removed in time to grow wheat. Write for prices before buying.

MEDIUM GREEN

While thought to be the best bean for Ohio, it is excellent for forage and hay. A fine bean for soiling and ensilage but unfortunately it shatters so badly that growers are discontinuing it as a seed producer. Medium Green are very scarce. Write for prices before buying.

ITO SAN

This variety is well-known, early and will mature in the high altitudes of Pennsylvania. Ito San yield heavy and we recommend them for bean production and suitable for an early manure crop. On account of its small growth, it is not as suitable as other varieties for hay and silage.

Write for prices before buying.



To inoculate your Alfalfa, Clovers, Soy Beans, Vetches and all other legume crops. Small cost; large returns; easy to use; no labor expense. Increase your crops. Improve your soil. Specify the particular legume which you desire to use.

McQueen's Inoculators are supplied at the following prices:

5-acre size \$4.00, 1 acre size \$1.00, garden size 25 and 50 cts. (These prices include delivery.)

Free descriptive literature sent upon request.

HOLLY BROOK

This variety is large seed producer and grows to be about 36 inches tall. It is coarse but good for hay. Is excellent to plant with corn for hogging off or for silage.

Write for prices before buying.

COW PEAS

A valuable legume for pasture hay or improving the soil. Also splendid for soiling and silage—all stock eat it. Very beneficial in any rotation and gathers nitrogen from the air if properly inoculated. Can be planted in spring about corn planting time. Either drill or broad casting 60-90 lbs. per acre, 60 lbs. per bushel.

OUR WHIPPOORWILL variety is best, a very quick grower. Write for our current price list.

FORMALIN PREVENTS SMUT

IN WHEAT AND OATS; ALSO POTATO SCAB

Formalin is Crop Insurance for Grain Crops.

Mix one pint of Formalin (40 per cent formaldehyde) with 45 gallons of water and sprinkle it over the grain with watering pot, using about one gallon for each bushel of grain. The grain should be spread out on a clean floor in a thin layer, sprinkled thoroughly and the next layer added. This should be repeated until as much grain has been treated as can be dried at one time. The entire pile should be thoroughly mixed by shoveling, covered with blankets or sacking and left for from two to four hours; it should then be spread out and dried. A good time to treat seed is just previous to sowing. About one peck more seed should be used per acre to allow for swelling. We can supply Formaldehyde put up as follows: ½ pint, 30 cts.; 1 pint, 50 cts.; 1 quart, 90 cts.

"Buy early"—Due to present conditions, all prices subject to change. Write for current Farm Seed price list.



FIELD OF CANADA FIELD PEAS AND OATS

CANADA FIELD PEAS

Field peas are one of the best hay and soiling crops that can be grown. Usually sown with oats which makes a rich nutritious hay. Splendid to cut and feed green as a soiling crop. Sow 60-90 pounds of peas to 64 pounds of oats early in the spring. Does best on fertile soils which have been well prepared. 60 lbs. per bushel. Write for lowest prices.

SUNFLOWER

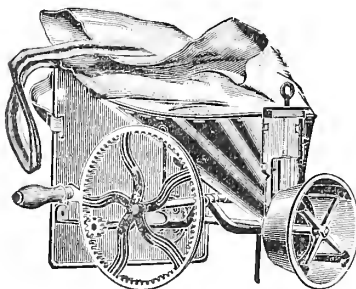
Sunflower seed is one of the best egg producing foods for poultry; the leaves make excellent fodder, being relished by all kinds of stock. The seed is a good food for hogs, and yields a fine quality of oil. The stalks, which grow very large, make excellent firewood. It can be sown any time before the middle of July. Plant in hills, allowing 3 to 4 plants to each hill, $3\frac{1}{2}$ to 4 feet apart each way; or in drills, 6 quarts will sow an acre. Cultivate the same as corn.

MAMMOTH RUSSIAN.

Flowers 18 to 20 inches in diameter. Very showy, but mostly grown for the large amount of seed produced. Write for prices.

CAHOON BROADCAST SEED SOWER

For Sowing Seed, Grain, Clover Seed, etc.



The best seeder manufactured, and sows all kinds of grain, clover seed, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Circulars giving full information and directions for use, mailed on application. Price \$5.00 each.

SUDAN GRASS

New Drought-Resisting Forage Plant

There are only a few locations that ever have hay sufficient for their stock. It is the most prolific hay crop known. Seeds are better than oats for all kinds of stock. It will grow on wornout land when put in a good state of cultivation. It is a great drought resistant. There is no deception in Sudan, it will do what we claim for it. Sudan without doubt has solved the hay problem, for the reason it readily grows in all sections of the country and gives, possibly, a larger yield by double, with a feeding value equal to alfalfa. Stock prefer it to any other forage. Plant Sudan Grass as early as possible, avoiding frost. Plant in rows 36 in. apart, drop seed 14 to 16 in. apart. Cultivate same as you would maize or sorghum. If you want seed, it requires 90 days to mature seed. Cut and thresh, use your own judgment as to when cured. If for hay, cut after 60 days and the second crop is ready for harvesting in 30 days from the first cutting, and so on until the end of the season. To sow broadcast it requires from 15 to 20 lbs. to the acre. Like sorghum crops, it must be planted each spring and dies when the first frost comes. It requires 1 to $1\frac{1}{2}$ lbs. to the acre planted in rows. It yields from 4 to 7 tons of hay and 600 to 1,200 lbs. of seed to the acre. It is easily cured and handled; it readily grows in all sections of the country and has proved a great success in every section.

Write for our price list before buying.

BIRD SEED

Prices by mail or express, prepaid.

CANARY. Lb. 35 cts., 5 lbs., \$1.65.

HEMP. Lb. 15 cts., 5 lbs. 65 cts.

RAPE. Lb. 20 cts., 5 lbs. 90 cts.

MILLET (Red). Lb. 10 cts., 5 lbs. 40 cts.

LETTUCE. Lb. 40 cts.

MILLET (White). Lb. 15 cts.

MIXED BIRD SEEDS. Lb. 25 cts., 5 lbs. \$1.20.

ROOT CROPS.

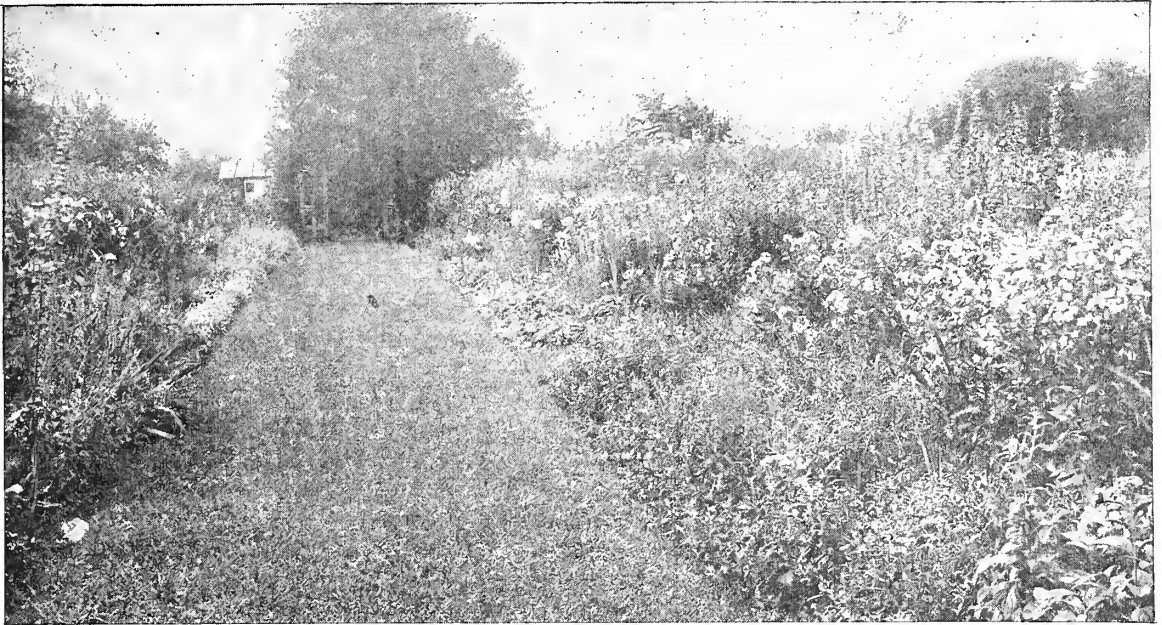
Root crops should be raised on every farm for stock feeding. Nourishing, easily grown, and necessary to keep animals in health during winter. We offer choicest seed of Sugar Beets and Mangles, page 12, Carrots, page 17, Turnips, page 47. Write for special prices on large quantities.

CYCLONE SEED SOWER

A Very Popular Seeder and Very Extensively Sold.

This sower is guaranteed to distribute seed perfectly, evenly, and will not throw seed in an upward direction or against the operator, but direct and evenly to the land. Sows clover, timothy, red top or herds grass, alfalfa, oats, rye, millet, wheat, buckwheat, turnip and other varieties of farm seeds. It also distributes bone dust, land plaster and fertilizer to advantage. Clover seed is sown a width of 18 feet; timothy, 15 feet; alfalfa, 20 feet; wheat, 25 feet; millet, 18 feet; oats, 18 feet. Thus, it will be seen that one operation can sow from 40 to 60 acres per day, according to the kind of seed. Price, \$2.00 each.





Perennial Flower Garden of Mrs. Ralph Ambler, Bentbrook, Canton.

Holco
QUALITY

FRESH TESTED FLOWER SEEDS

Our flower seeds comprise all varieties of real merit. We spare no trouble or expense to supply only such varieties and strains that will give the best satisfaction.

ANNUALS attain full growth from seed, flower and die in one year.

BIENNIALS grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early. **FLOWER SEEDS ARE DELIVERED FREE TO ANY POSTOFFICE.**



"HOLCO" GIANT FANCY PANSIES

J. F. Hammer, N. H.—"Last summer I bought Pansy Seed from different Seedsmen to see whose strain I liked the best. I will say your varieties gave me the best results."

"HOLCO" GIANT-FANCY PANSIES

771 These largest and most beautiful of all blotched Pansies have been developed after years of close selection by a skilled market grower who raises no other strain than this which he has improved to such a wonderful degree. The well-formed expanded flowers are uniformly of the largest size; they are borne upon long, stiff stems well above the heavy deep-green foliage. Of varied ground colors, such as white, cream, yellow, deep orange, mahogany, claret, rose, reddish bronze, lavender, and light blue, each petal is beautifully blotched. The compact rounded plants are of sturdy habit, and so deep rooted that they bear the gigantic flowers continuously. The seed necessarily is very expensive, but well worth all it costs. Pkt. 20 cts., 3 pkts. 50 cts.

Mrs. W. C. Green, Glenardene, New Berlin Rd.
—"The 'Holco' Giant Pansy was a great success. All of the seed seemed to grow, as I had pansy plants to give away by the dozens. They bloomed all summer and are at present date with quite a few flowers."

"Holco Seeds" have given excellent results in all parts of the world.

FLOWER SEEDS FOR 1919



NEW ASTER, American Beauty

CARDINAL CLIMBER

Strong and Rapid Climber

- 203 This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May first. Pkt. 10 cts., 3 pkts. 25 cts.

Grace Ewing, Jeromeville—"The seeds we ordered last year all grew fine."

RED SUNFLOWER

- 535 For countless thousands of years Sunflowers of all kinds have brightened earth with flowers of golden yellow. And now nature has suddenly given us a Sunflower with blossoms of a beautiful chestnut red. As easily grown as any of the common Sunflowers. The flowers vary in color from a rich chestnut red, to red variously bordered or tipped with yellow. A striking novelty in the gardens, and the gorgeous, long-stemmed blooms are beautiful and lasting as cut flowers. Pkt. 10 cts., 3 pkts. 25 cts.

AMERICAN BEAUTY
ASTER

- 3000 Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Pkt. 10 cts., 3 pkts. 25 cts.

When ordering, ask for our Leaflet on Aster Culture.

LILAC QUEEN
ALYSSUM

- 34 Since being introduced has been very popular. This miniature alyssum, growing close to the ground with small deep lavender lilac flowers. Invaluable for edgings. A really pretty color either alone or in conjunction with white sorts. Makes an effective edging to Snapdragon beds. Pkt. 10 cts., 3 pkts. 25 cts.

CHINESE WOOLFLOWER

(Celosia Childsii)

- 238 Without doubt this new Celosia is the most magnificent garden annual yet introduced. Its ease of culture and long continued blooming season, (July until frost), together with its massive bunches of wool-like flowers and glowing color, combine to make it the most odd as well as the showiest novelty for the general flower garden. Plants grow about three feet high, the bloom starting early with a globular central head of immense size, while numerous branches are sent out, each bearing a ball of scarlet wool, while each branch produces many laterals which also develop excellent heads of bloom that last until killed by frost and expand with a deepening richness of color to a deep crimson scarlet. Seed may be sown in open, after danger from frost, or sown in pots; may be transplanted when ground is ready. Pkt. 15 cts.

NEW DOUBLE COSMOS

Crowned and Crested

We consider this one of the best Flower Novelties of the year—an entirely new race of Cosmos. The plants are similar in habit to our famous strain of early-flowering Cosmos, and a fair percentage have double crowns, which give the flower a very dainty and exquisite appearance. The colors are pure white and a delightful shade of shell-pink. A large percentage come true from seed, both as to color and doubleness. The single which the strain produces are also very beautiful.

- | | |
|------------------------|-------------|
| 326—Double Pink Beauty | Pkt. \$0.10 |
| 327 Double White Queen | Pkt. .10 |

Those who know, always sow "Holco Seeds."

ACROLINIUM (Everlasting Flower)

An annual "Everlasting," growing about 15 in. high, bearing white or rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Nice to grow in a mixed border aside from its use as an everlasting.

25 MIXED. Pkt. 5 cts., ¼ oz. 15 cts.

AGERATUM (Floss Flower)

Used for borders, ribbon lines, etc. Blooms the entire summer. Sow early for best results.

28 BLUE PERFECTION. Dwarf, large, deep blue flowers, fine foliage; fine for edging flower-beds or walks. Pkt. 10 cts., ¼ oz. 30 cts.

30 LITTLE DORRIT. Dwarf and spreading in habit. Flowers azure-blue. Pkt. 5 cts., ¼ oz. 30 cts.

31 PRINCESS VICTORIA LOUISE. Dwarf and compact habit; flowers blue with white center. Pkt. 10 cts., ¼ oz. 30 cts.

32 WHITE DORRIT. Dwarf and free-flowering; large pure white flowers. Pkt. 5 cts., ¼ oz. 25 cts.

ALYSSUM

These hardy annuals are favorites for cutting for bouquets, as well as for edging, boxes, baskets, etc.

34 LILAC QUEEN. Lilac-colored flowers, contrasts prettily with the white sorts. Pkt. 10 cts., 3 pkts. 25 cts.

35 LITTLE DORRIT. Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges. Pkt. 5 cts., ¼ oz. 30 cts.

36 CARPET OF SNOW. (Little Gem.) Only a few in. high; of a spreading habit. Pkt. 5 cts., ¼ oz. 25 cts.

39 SAXATILE COMPACTUM (Hardy Perennial). Dwarf and bushy; masses of pale yellow flowers. 1 ft. Pkt. 5 cts., ¼ oz. 30 cts.

AMARANTHUS

Tender, decorative annuals useful for border plants, centers of beds and among shrubbery. Strong growers, should have 2 to 3 ft. space for each plant. Height 2 to 3 in.

40 CAUDATUS (Love-Lies-Bleeding). Blood-red; drooping racemes. Pkt. 5 cts.

41 TRI-COLOR (Joseph's Coat). Foliage scarlet, yellow and green. Pkt. 10 cts.



LITTLE DORRIT ALYSSUM

ANTIRRHINUM (Snapdragon) (Hardy Annuals)

For gorgeous coloring few flowers can match Snapdragons.

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering,
3 feet

	Pkt.
44 Giant Yellow	\$.10
45 Giant Scarlet	.10
46 Giant Venus. Pink or white	.10
47 Giant Victoria. White shaded cream	.10
48 Giant White	.10
49 Giant Pink	.10
50 Giant Mixed. A splendid mixture, con- taining all the colors. ¼ oz. 25 cts.	.10
51 Giant Striped	.10



SNAPDRAGON

Mrs. J. B. Dougherty, North Canton, O.--"I had a wonderful bed of your Snapdragons. They were very gorgeous."

HALF DWARF VARIETIES, 18 inch

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

70 NELROSE. Coral pink. Winner of many medals and awards. Good for both greenhouse and bedding. Pkt. 15 cts., large pkt. 25 cts.

71 Amber Queen. Canary yellow overlaid chamois pink	Pkt. \$.10
72 Cottage Mail. Rose pink white throat	.10
73 Crimson Queen	.10
74 Daphane. Soft blush pink	.10
76 Defiance. Orange red	.10
78 Golden Queen. Rich yellow	.10
80 Mauve Beauty. Rose Mauve	.10
81 Mont Blanc. Pure white	.10
83 Half-Dwarf Mixed. All the colors. ¼ oz. 25 cts.	.10

For an order of Flower Seeds amounting to 50 cts., select packets to the amount of 70 cts.; for \$1, select packets to the amount of \$1.35.

FLOWER SEEDS ARE DELIVERED FREE TO ANY POSTOFFICE

Be sure to plant a "Holco" garden this year.

HOLCO-AMERICAN ASTERS—

achieved. From July 'til Sept. this flower reigns supreme in the garden. The strains we offer are grown by specialists in this country. To have early flowers sow seed in the house from March till May; otherwise sow out doors after danger of frost is over. Asters require well pulverized soil, do not be afraid to cultivate.



AMERICAN PURPLE BEAUTY ASTER (Most Perfect Aster)

NEW RED ASTER "SENSATION"

- 3004 Reddest of all Red Asters, color being a rich garnet which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 in. high; the very double flowers, averaging $3\frac{1}{2}$ inches across, are borne freely on stems a foot long from early in August till the close of September. The intense color shows up well when cut; and makes a very brilliant bit of color in a bed or border. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

PEERLSES PINK ASTER

- 3003 Conceded the finest pink late-branching Aster ever offered. Plants are robust, free-branching habit, hard to find a flower under 4 in. across, many measure 5 in. by $2\frac{1}{2}$ in. in depth, forming an almost globular flower. Color is a rich shell-pink, comes into bloom about the middle of Aug., being at its best during the early part of Sept. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

AMERICAN PURPLE BEAUTY ASTER

(A Gorgeous Purple of Marvelous Beauty)

- 3007 This wonderful rich Purple Beauty Aster is of the same growth as American Beauty Aster introduced in 1917. Plants average two and one-half to three feet in height, according to location. Flowers measure usually four to five inches in diameter, are borne on heavy stems which may be cut two feet in length. The flowers are fully double and are a most lovely shade of purple. Purple Beauty should be in every flower garden. Pkt. 15 cts., 2 pkts. 25 cts. Postpaid.

PINK ENCHANTRESS

- 3002 This splendid Aster is highly commended by our customers, and large quantities are grown annually. The immense flowers of a soft, delicate pink, are borne on strong, upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Aster the color is between that of Daybreak and the Pink Branching. This color, although very delicate, does not fade. The plants are tall and strong and the flowers are the size of those of the largest Branching Aster. The flower is made up of broad petals, loosely arranged, and the effect is indescribably soft and pleasing. Nothing could excel in refined beauty a vase of Pink Enchantress Asters. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

LAVENDER GEM ASTER

- 3006 Is always full double, most beautiful shade of lavender yet to be found among early asters of the Comet type. Flowers first present a delicate shade which deepens with age; are borne on strong stems of good length. More popular every year. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

WHITE BEAUTY ASTER

- One of the finest white Asters for Mid-Summer cultivation. The plants are extremely strong growing, producing from ten to twelve large flowers, usually measuring 4 inches in diameter and of a fine form. The flower when first opened is strongly whorled, the petals being broad and somewhat folded lengthwise, usually making them appear narrow; the outer rows are straight, while the center still retains the whorled effect. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

When ordering, ask for our Leaflet on Asters Culture.

Look inside of rear cover page for Aster collection.

FIELD OF SEMPLE'S BRANCHING
ASTERS FOR SEED

ROYAL ASTERS

An early flowering form of our Improved Late Branching variety, having all the good qualities of the latter, but coming into bloom in July or early August, and lasting for a long time. Their long-stemmed flowers are ideal for cutting.

	$\frac{1}{4}$ oz.	Pkt.
3012 Royal White	\$0.40	\$0.10
3013 Royal Shell Pink	.40	.10
3015 Royal Rose Pink	.40	.10
3017 Royal Lavender	.40	.10
3018 Royal Purple	.40	.10
3020 Royal Mixed	.40	.10

SEMPLER'S BRANCHING ASTERS

This excellent Aster is of American origin, and is especially adapted to our climatic conditions.

The plants form strong, branching bushes 2 to 2½ feet high, bearing on long, strong stems flowers which under ordinary cultivation, average 5 inches across. They come into bloom from two to three weeks after the average type, usually being at their best during September, and, all things considered, are the most valuable of all Asters, either for cutting or for bedding, and if only one kind of Aster is grown this is the type which will likely give the best results.

	$\frac{1}{4}$ oz.	Pkt.
3040 Azure Blue	\$0.40	\$0.10
3042 Deep Crimson	.40	.10
3044 Pale Lavender	.40	.10
3045 Deep Purple	.40	.10
3046 Rose-Pink	.40	.10
3047 Shell-Pink	.40	.10
3049 Pure White	.40	.10
3050 Finest Mixed. All the colors mixed	.35	.10

Leonard J. Moore, Delaware.—"I received your catalog and it was a welcome guest. I purchased seed from you last spring and found them as good as I ever used and expect to buy seed again this year from you."

KING ASTERS

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of almost any other class. The plants are large and the stems exceptionally long and strong.

	$\frac{1}{4}$ oz.	Pkt.
3027 Pink King	\$0.40	\$0.10
3028 Rose King	.40	.10
3030 Violet King	.40	.10
3032 White King. Pure white	.40	.10
3033 Mixed King. All colors	.35	.10

QUEEN OF THE MARKET ASTER

A first-class flowering Aster, coming into flower in July, of branching habit, flowers of good size and borne on long stems, making them exceedingly valuable for cutting; 1 ft.

	$\frac{1}{4}$ oz.	Pkt.
3088 White	\$0.40	\$0.05
3089 Flesh-Pink	.40	.05
3091 Rose-Pink	.40	.05
3092 Crimson	.40	.05
3093 Lavender	.40	.05
3094 Purple	.40	.05
3095 Mixed. All shades. Blended	.35	.05

ASTERMUM ASTERS

A giant Comet mid-season variety of recent introduction. The plants grow about 2 ft. high with long strong stems, come in bloom a little earlier than Crego's Giant type. Few of the flowers run under 5 in. across.

	$\frac{1}{4}$ oz.	Pkt.
3053 White	\$0.50	\$0.10
3054 Lavender	.50	.10
3056 Pink	.50	.10
3058 Mixed	.40	.10

CREGO'S GIANT ASTERS

The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The beautiful flowers are curled and twisted, resembling choice Chrysanthemums. The plants usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

	$\frac{1}{4}$ oz.	Pkt.
3060 Giant Pink. A delicate shell-pink	\$0.40	\$0.10
3062 Giant Azure-Blue	.40	.10
3063 Giant Purple	.40	.10
3064 Giant Lavender	.40	.10
3066 Giant Rose-Pink	.40	.10
3067 Giant Crimson	.40	.10
3068 Giant White	.40	.10
3070 Giant Mixed. All shades	.35	.10

DAYBREAK ASTERS

Plants are stiffly erect in habit of growth, and attain a height of eighteen to twenty inches. The flowers are ball-like in form with incurved petals, and are about two and one-half inches in diameter. These Daybreak Asters come into bloom during August and are most excellent for cutting.

	$\frac{1}{4}$ oz.	Pkt.
3075 Blue. Azure-blue	\$0.40	\$0.10
3076 Lavender	.40	.10
3078 Daybreak. The broad silvery petals are suffused with soft, delicate pink	.40	.10
3080 Purity, or "White Daybreak." Large double flowers of purest snowy whiteness	.40	.10
3081 Rose	.40	.10
3083 Salmon	.40	.10
3085 Mixed. All shades	.35	.10

AQUILEGIA (Columbine)

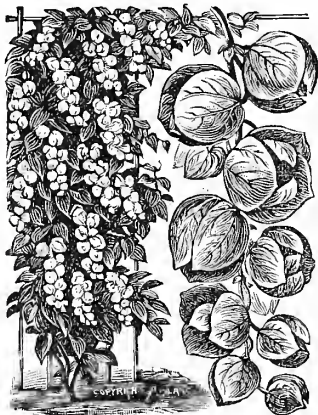
(Hardy Perennial)

No hardy plant grown from seed is more easily handled than the Columbine. General favorites for borders. Will also do well under shade of trees. Among the earliest flowering perennials, easily grown. 1½ to 2 ft. average height.

- 116 **CAERULEA.** (Rocky Mountain Columbine). Flowers large, petals white, sepals deep blue, spurs very long. Pkt. 10 cts., ⅛ oz. 25 cts.
- 115 **CHRYSANTHA.** (Golden Spurred). Golden-yellow. Pkt. 10 cts., ⅛ oz. 30 cts.
- 118 **LONG-SPURRED HYBRIDS.** All shades of lavender, blue, mauve, white, yellow, orange, scarlet and bright rose-pink. Plants are vigorous and stately in growth, producing abundantly large, elegantly shaped flowers with long spurs, borne well above the pale green foliage. Pkt. 10 cts., ⅛ oz. 50 cts.
- 119 **DOUBLE.** All colors mixed. Pkt. 5 cts., oz. 50 cts.

BACHELOR'S BUTTON (See Centaurea)

BABY'S BREATH (See Gypsophila)



BALLOON VINE

BALLOON VINE (Love in a Puff)

(Hardy Annual)

- 120 A rapid-growing climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. Pkt. 5 cts., oz. 25 cts.

BALSMAS (Lady Slipper)

(Hardy Annual)

An old favorite garden flower, producing gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion; of easy culture, succeeds in a good, rich soil; 2 ft. Start the seed indoors in April or sow out of doors in May. They should not be closer than 18 in. apart.

- 125 **DOUBLE CAMELLIA FLOWERED MIXED.** Finest mixed. Pkt. 5 cts., ¼ oz. 25 cts.

BEAN (Runner)

(Hardy Annual Vine)

- 128 **SCARLET RUNNER.** A rapid climber, flowering profusely. Grows 10 to 15 ft. high. Pkt. 5 cts., ¼ lb. 15 cts.
- 129 **BUTTERFLY RUNNER.** (Papilio). New variety with large flowers, white, salmon and rose-color. Pods are of excellent quality. Very showy. Pkt. 5 cts., oz. 15 cts.

BELLIS (English Daisy)

(Hardy Perennial)

A favorite perennial, which will stand the winter if given the protection of a little litter. In bloom from early spring until well in the summer. Easily raised from seed, which may be sown at any time from spring till Aug. For best results, new plants should be raised from seed each year.

- 140 **MONSTROSA WHITE.** Flowers very double, of immense size, 2 to 3 in. across and borne on long, strong stems. Pkt. 15 cts., 2 pkts. 25 cts.
- 141 **MONSTROSA ROSE.** Same description as white. Pkt. 15 cts., 2 pkts. 25 cts.
- 142 **GIANT LONGFELLOW.** Large double, pink flowers. Pkt. 10 cts., ⅛ oz. 50 cts.
- 143 **GIANT SNOWBALL.** Large; perfect double; white. Pkt. 10 cts., ⅛ oz. 50 cts.
- 146 **GIANT MIXED.** Double fine mixture. Pkt. 10 cts., ⅛ oz. 50 cts.

CAMPANULA or CANTERBURY BELLS

(Hardy Perennial)

A family containing many beautiful border plants several varieties beautiful as pot-plants.

- 155 **CALYCANTHEMA.** (Cup and Saucer). Delightful in form and colors, and elegant subjects for the garden or for pot culture. 2 to 2½ ft. Mixed. Pkt. 10 cts., ¼ oz. 60 cts.

MEDIUM. (Single Canterbury Bell). Large, bell-shaped flowers in many shades. Elegant border or pot-plants. A proportion of seedlings will vary from color, while some single flowers will be found among the double-flowered seedlings. 2 to 2½ ft.

	Pkt.	Oz.
158 Single Blue	-----	\$0.05 \$0.25
159 Single Rose	-----	.05 .25
160 Single White	-----	.05 .25
163 Single Mixed	-----	.05 .25

- 169 **PYRAMIDALIS** (Chimney Bell Flower). Stately plants with stems 4 to 5 ft. high; fine for borders or as large, decorative pot-plants; large, broad, tubular flowers. Finest mixture of blue and white. Pkt. 5 cts., ¼ oz. 25 cts.



CAMPANULA (Cup and Saucer Canterbury Bells)

The more attention your garden gets the better you will be repaid.

CACALIA

(Tassel Flower, or Flora's Paint Brush)

(Hardy Annual)

Of easy culture, with tassel-shaped flowers; blooms from June to September; fine for borders. 1½ ft.
180 Mixed. Pkt. 5 cts., ¼ oz. 25 cts.

CALENDULA (Scotch Marigold)

(Hardy Annual)

Very showy, thrifty plants, particularly adapted for dry and poor soils, although they thrive in any sunny location. Extremely showy from late summer until cut down by frost. 1 to 1½ ft.

188 METEOR. Double; yellow, striped with orange. Pkt. 5 cts., oz. 25 cts.

189 FAVORITE. Light Sulphur-yellow, petals striped creamy white. Pkt. 5 cts., oz. 25 cts.

190 ORANGE KING. Very large double flowers of a dark orange-red. Pkt. 5 cts., oz. 25 cts.

191 LEMON KING. Very large. Pkt. 5 cts., oz. 25 cts.

CALIFORNIA POPPY (See Eschscholtzia)

Chas. Snyder, Elmira, N. Y.—"The Seeds you sent me were better than those received from other sources. 'Enclosed find order for seeds.'"

CALLIOPSIS (Coreopsis)

(Hardy Annual)

Very attractive, free-flowering plants of the easiest culture, thriving in any ordinary soil. The new hybrids are very showy and flowers range in color from bright yellow to deep old-gold shades and from blood-red to deep brown. Quite commonly two distinct colors are seen on one plant and even in one blossom. Height 6 in. to 2½ ft.

195 DRUMMONDI, GOLDEN WAVE. Bright yellow flowers with brown eyes. Pkt. 5 cts., oz. 25 cts.

196 HYBRIDA SUPERBA. A beautiful strain; quite bushy in habit, some medium, others tall. Colors, very bright and attractive, many individual plants having flowers of two different colors; in size, blossoms vary from small to large. 1 to 2 ft. Pkt. 5 cts., ½ oz. 20 cts.

197 NIGRA SPECIOSA. A strong growing sort with good sized flowers of rich reddish-maroon; 2 ft. Pkt. 5 cts., oz. 25 cts.

CANARY-BIRD VINE

(Hardy Annual)

200 A rapid-growing summer-climbing, growing 10 to 15 feet high. It will cover trellis work in the most graceful manner, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 5 cts., oz. 25 cts.

CARDINAL CLIMBER

(*Quamoclit Hybrida*)

(Hardy Annual Vine)

203 A beautiful climber; strong and rapid grower, with fern-like foliage and fiery red flowers. 28 to 30 ft. Pkt. 10 cts., 3 pkts. 25 cts.

E. W. Hockensmith, Kent, O.—"The seeds that I got from you last year did fine. I got very good returns from them all."

CANDYTUFT (*Iberis Umbellata*)

(Hardy Annual)

A general favorite. Valuable for masses, edgings and prized for cutting; free-flowering.

210 EMPRESS, or GIANT HYACINTH-FLOW-ERED. The finest of all the white varieties, being a complete mass of pure white flowers, in a pyramid of bloom. Pkt. 5 cts., oz. 50 cts

212 LAVENDER. Delicate shade. Pkt. 5 cts., oz. 25 cts.

213 CRIMSON. Rich deep shade. Pkt. 5 cts., oz. 25 cts.

CARNATION (*Dianthus Caryophyllus*)

(Hardy Perennial)

These may nearly all be flowered the first season by sowing early. Seedlings possess great vigor and, as a rule, produce more flowers than plants from cuttings.

219 GIANT MARGUERITE or MALMAISON. Early flowering; seed sown in February will flower in June. Fine for cut-flowers. Splendid mixture from largest flowers. 1 ft. Pkt. 10 cts., ½ oz. 25 cts.

220 MARGUERITE, HALF-DWARF. Valuable cut flower varieties; sweet-scented and bloom from July to frost, from Feb. sown seed. Flowers large, with rich colors. 1 ft. Pkt. 10 cts., ½ oz. 25 cts.

221 CHABAUD'S EVERBLOOMING. Produces a high percentage of double flowers, blooming five to six months after sowing. Pkt. 25 cts.

CASTER BEAN (See Ricinus)



CHISTATA NANA COCKSCOMB

CELOSIA CRISTATA (Cockscomb)

(Hardy Annual)

Handsome and distinct; the comb-like heads may be grown to a large size and make fine decorative plants and unique beds.

230 CRISTATA NANA, EMPRESS. Enormous crimson heads; dark foliage; dwarf. Pkt. 10 cts., ½ oz. 30 cts.

231 MIXED CRISTATA. Pkt. 5 cts., ¼ oz. 25 cts.

235 PLUMOSA. THOMPSONI MAGNIFICA. A mixture of improved varieties of splendid colors. 1½ ft. Crimson, gold-yellow and mixed. Pkt. 10 cts., ½ oz. 25 cts.

238 CHINESE WOOLFLOWER (*Celosia Childsii*). A new, very odd, and beautiful variety, with large, globular heads like balls of wool; of bright red color. Very effective in masses or individually. Pkt. 15 cts.

**CENTAUREAS**

(Hardy Annual)

There is, perhaps, no more popular annual than the Centaurea. Will grow well anywhere and as a cut-flower is much in demand.

CORNFLOWERS (*Centaurea Cyanus*)

SOMETIMES CALLED BACHELOR'S BUTTON, BLUE BOTTLE, RAGGED SAILOR, ETC.

This type of Centaurea is well known and no garden is complete without them. Seeds should be sown in the spring or fall. When large flowers are wanted, plants should be thinned out to a space of say 8 square inches.

254 Cyanus, Blue. Well-known favorite	Pkt.	Oz.
cut-flower	-----\$0.05	\$0.25
254 Cyanus, White	-----	.05 .25
255 Cyanus, Mixed	-----	.05 .25

GIANT SWEET SULTANS (*Centaurea Imperialis*)

This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks from May until July, thereby giving a continuous bloom from summer to fall.

- 240 *Imperialis*, White. Exquisitely sweet-scented.
 241 *Imperialis*, Purple. Brilliant purple.
 244 *Imperialis*, Mixed. A select mixture of above colors. Pkt. of any of the above, 10 cts., $\frac{1}{4}$ oz. 25 cts.
 245 *SUAVEOLENS* (Yellow Sweet Sultan, or Grecian Cornflower). Very showy, large, bright yellow flowers; sweetly scented and a popular sort for cutting, lasting well. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

WHITE-LEAVED CENTAUREAS

(Dusty Millers)

Fine for bedding, vases, hanging-baskets and pots; also extensively used for margins. As an edging to a bed of dark-leaved Cannas or Scarlet Sage these are particularly effective. Sow the seed early indoors, and transplant in May. (The White-Leaved Cinerarias are also known as Dusty Millers.)

- 248 *GYMNOCARPA*. Fine-cut silvery foliage. Per 1000 seeds, 30 cts.; pkt. 10 cts.
 250 *CANDIDISSIMA*. Silvery white; leaves for bedding. Per 1000 seeds, 50 cts.; pkt. 10 cts.

CHRYSANTHEMUMS

(Hardy Annual)

Showy and effective garden favorites, extensively grown for cut flowers. The following hardy annuals are summer-flowering border plants, and quite distinct from the hardy perennial and autumn-flowering varieties:

- 270 **SINGLE MIXED** (Painted Daisies). Many colors. Pkt. 5 cts., oz. 30 cts.
 271 **CORONARIUM, DOUBLE MIXED**. Orange to white. Pkt. 5 cts., oz. 30 cts.

SHASTA DAISIES(*Chrysanthemum Leucanthemum*)

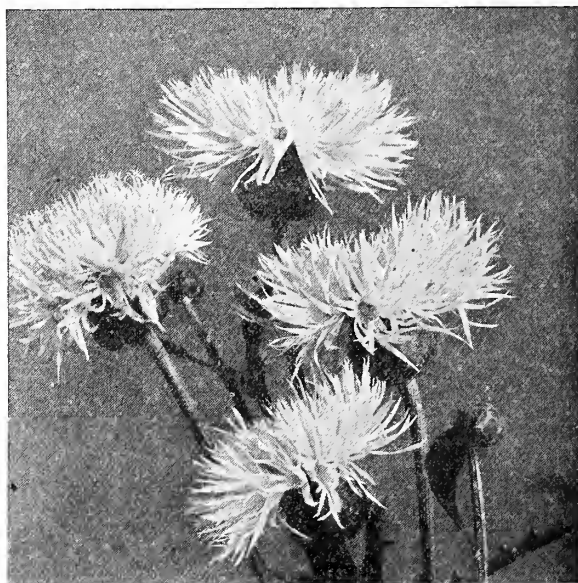
(Hardy Perennial)

- 359 **ALASKA**. A splendid hardy perennial variety, with flowers rarely less than 5 inches across, of the purest glistening white, with broad overlapping petals, and borne on long strong stems; a beautiful cut flower, remaining in good condition a week or more. Pkt. 15 cts., 2 pkts. 25 cts.
 360 **SHASTA DAISY**. A general mixture saved from a large number of extra choice hybrids, and certain to produce a large number of varieties of great merit. Pkt. 15 cts., 2 pkts. 25 cts.

CINERARIA

Very distinct and ornamental house plants, with magnificent heads of velvety bloom, the colors of which include white, very delicate to very dark blue, all shades of pink, carmine and crimson, with bicolors of crimson and white, blue and white, etc. Splendid large flowers.

- 295 **DWARF GIANT FLOWERING**. Large-flowering, prize strain. Unsurpassed for richness of colors and perfection of form. Pkt. 25 cts.
 298 **HYBRIDA STELLATA** (Star Cineraria). Star-shaped flower in many pleasing colors. Pkt. 25 cts.
 299 **MARITIMA** (Dusty Miller). A beautiful foliage variety; pure white leaves; for pots and bedding. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.



GIANT SWEET SULTANS

CLARKIA

(Hardy Annual)

Easily grown; flower freely, are showy in the border, good for cutting, and form nice pot-plants.

305 **DOUBLE MIXED.** 2 ft. All colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

CLEOME (*Spider Plant*)

(Hardy Annual)

Tall, bushy plant, branching freely and continuously in bloom. If protected during first winter it will live another season, 4 ft.

310 **PUNGENS.** Pink flowers. Pkt. 5 cts., oz. 25 cts.

COIX LACHRYMAE (*Job's Tears*)

(Hardy Annual)

315 A strong, broad leaved ornamental grass, with large shining, pearly seeds. 2 to 3 ft. Pkt. 5 cts., oz. 10 cts.

COBEA (*Cups and Saucers Vine*)

(Hardy Annual Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

320 **SCANDENS** (Purple). Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

COCKSCOMB (See *Celosia*)

Albert Sharp, Massillon, O.—"I received my orders promptly; your seed gave me excellent results."

COLUMBINE (See *Aquilegia*)**COSMOS**

(Hardy Annual)

Beautiful autumn-blooming plants. Produce thousands of beautiful flowers in white, pink, and crimson shades, furnishing flowers for autumn decorations when other flowers are scarce. Should be sown in spring when danger of frost is past. Plant not less than 18 in. apart. When plants are a foot high, tops should be pinched out to induce a bushy growth.

329 **GIANT PINK LADY LENOX.** This, the latest development in this popular autumn flower, bears gigantic flowers, with wide, overlapping petals of splendid substance, making a perfectly circular flower, which is borne on very long stems, in color a beautiful deep rosy-pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

330 **GIANT WHITE LADY LENOX.** A new white-flowered form of the above. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

MAMMOTH PERFECTION. A magnificent selection, bearing flowers of mammoth size and perfect form.

	$\frac{1}{4}$ oz.	Pkt.
331 Mammoth, Crimson	\$0.20	\$0.05
332 Mammoth, Pink	.20	.05
333 Mammoth, White	.20	.05

A pkt. each of 3 colors for 10 cts.

334 Mammoth, Mixed .15 .05

EXTRA EARLY COSMOS

Seeds sown in the open ground April 27th produced plants that were covered with bloom July 20th, two months before the late-flowering kinds. While the flowers are not so large as the late sort, they are of good size, having been greatly improved in the last year or two, and will undoubtedly perfect their blooms in the most northerly States.

	$\frac{1}{4}$ oz.	Pkt.
335, Early, Crismon	\$0.25	\$0.05
336 Early, Pink	.25	.05
337 Early, White	.25	.05

A pkt. each of the 3 colors for 10 cts.

338 Early, Mixed. All colors .20 .05

COLEUS

325 **LARGE LEAVED.** Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Finest mixed. Pkt. 25 cts.

CYCLAMEN

A popular pot-plant for winter and spring flowering; blooms last a long time. Seedlings bloom in 8 to 10 months.

340 **SALMON.** Salmon Pink. Pkt. 40 cts.

342 **WHITE WITH CARMINE EYE.** Pkt. 35 cts., 100 seeds \$1.00.

343 **PAPILIA** (Butterfly). Beautifully fringed or waved; mixed colors. Pkt. 40 cts.

344 **PERSICUM.** Choice mixed. Pkt. 10 cts.

CYPRESS VINE (*Ipomoea Quamoclit*)

(Hardy Annual)

One of the most popular vines, with very delicate fern-like foliage and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seeds in warm water for a few hours. 15 feet.

	$\frac{1}{4}$ oz.	Pkt.
351 Scarlet	\$0.30	\$0.05

352 White	.30	.05
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350 Mixed. White and scarlet	.30	.05
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203 **QUAMOCLIT HYBRIDA** (The Cardinal Climber). The best annual climber introduced in many years; beautiful fern-like foliage and brilliant cardinal flowers. Pkt. 10 cts., 3 pkts. 25 cts.

DAISY (See *Bellis*)

COSMOS EARLY FLOWERING

DALPHINIUM (*Larkspur*)

(Hardy Perennial)

There is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight. Sow seeds early indoors or in a hotbed. When about ½-inch high, transplant to flats 3 or 4 inches apart. Set out 6 inches apart in the garden. Plants treated thus usually flower first season during August. In the fall they may be lifted out and set out in groups of colors.

- 375 **GOLD MEDAL HYBRIDS.** This splendid strain is of strong, vigorous habit, with immense spikes from 2 to 3 feet long, of large flowers mostly in fine shades of light blue. We doubt very much if this wonderful strain can be surpassed. Pkt. 15 cts., 4 pkts. 50 cts.
- 376 **ALBUM.** The white-flowered form of the preceding. Pkt., 5 cts., ¼ oz. 25 cts.
- 377 **FORMOSUM.** Large; rich dark blue, white center; borne on spikes 2 to 3 feet tall; one of the most popular varieties. Pkt. 5 cts., ¼ oz. 25 cts.
- 378 **BELLADONNA.** (Everblooming Hardy Larkspur). The clear turquoise-blue of its flowers is not equaled for delicacy and beauty. Pkt. 25 cts., 5 pkts. \$1.00.
- 379 **CARDINALE.** A very beautiful cardinal-scarlet; plants grow about 18 inches high. Pkt. 15 cts., ¼ oz. 40 cts.

DIANTHUS, or PINKS

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming profusely until fall, rendering them most satisfactory for summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks become a mass of bloom, continuing until frost.

SINGLE PINKS (Hardy Annual)

All the single sorts have large flowers 2 to 3 inches in diameter; their many and brilliant colors make them very desirable for beds and borders; 1 foot.

- 390 **"EASTERN QUEEN."** Beautifully marbled rose and mauve flowers. Pkt. 5 cts., ¼ oz. 25 cts.
- 391 **"CRIMSON BELLE."** Rich velvety-crimson. Pkt. 5 cts., ¼ oz. 25 cts.
- 392 **PUNCTATUS (Princess Pinks).** A very novel variety, with fringed flowers, mottled, flaked, spotted and striped in the greatest diversity of colors. Pkt. 10 cts., ¼ oz. 40 cts.
- 393 **HEDDEWIGGII (Single Chinese Pink),** Finest selected single-flowered, mixed. Pkt. 5 cts., ¼ oz. 25 cts.

DOUBLE PINKS (Hardy Annual)

- 395 **SNOWBALL.** Fringed double white, splendid for cutting or as a border. Pkt. 5 cts., ¼ oz. 30 cts.
- 396 **FIREBALL.** Rich, blood-red flowers. Makes a striking contrast to the pure white variety Snowball. Pkt. 5 cts., ¼ oz. 30 cts.
- 397 **MOURNING CLOAK.** Rich, blackish, velvety crimson, margined with pure white. Pkt. 5 cts., ¼ oz. 30 cts.
- 398 **CHINENSIS FL. PL. (Double Chinese Pinks).** Blooms in clusters, flowers very double and in a large range of bright colors. Pkt. 5 cts., ¼ oz. 25 cts.
- 399 **HEDDEWIGGII FL. PL. (Double Japan Pink).** Double mixed. Colors varying from the richest velvety-crimson to the most delicate rose. Pkt. 5 cts., ¼ oz. 25 cts.



DIANTHUS (Pinks)

GARDEN PINKS (*Dianthus Plumarius*)

(Hardy Perennial)

These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border.

- 405 **PLUMARIUS FL. PL. (Double Hardy Garden Pinks).** Double and semi-double varieties in beautiful colors. Pkt. 10 cts., ¼ oz. 50 cts.
- 406 **PLUMARIUS SEMPERFLORENS (Everblooming Hardy Garden Pink).** Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. Pkt. 15 cts.
- 408 **PLUMARIUS (Clove Pink, Scotch Pink, or Pheasanteye Pink).** A beautiful single hardy Pink, with fringed-edged white flowers, with a dark centre. Pkt. 5 cts., ¼ oz. 25 cts.

DIGITALIS (*Foxglove*)

(Hardy Perennial)

These are beautiful perennials for the border, etc., and some are elegant pot-plants, blooming very readily in 4-in. pots in spring. For this purpose seed should be sown in August and grown slowly during the winter.

- 415 **MONSTROSA (Mammoth Foxglove).** The tall spikes are surmounted by one monstrous flower, all colors mixed. Pkt. 10 cts., ¼ oz. 40 cts.
- 419 **GLOXINAEFLORA, MIXED.** All colors. Pkt. 5 cts., ¼ oz. 25 cts.

DIMORPHOTHECA

- 425 **AURANTIACA (African Daisy).** This is by far one of the best introductions in recent years. The plants are of branching habit, growing about 15 inches high; the flowers are of rich golden orange with a dark center. Being an annual it is easily cultivated and will give a magnificent display all summer; very highly recommended. Pkt. 10 cts., 3 pkts 25 cts.

DOLICHOS (*Hyacinth Bean*)

(Annual Climber)

Rapid growing climber, bearing a profusion of bean-like flowers.

430 **DARKNESS**. A variety from Japan; rapid grower; flower reddish violet. Pkt. 5 cts., oz. 25 cts.

431 **DAYLIGHT**. Identical to the above except in color, which is pure white. Pkt. 5 cts., oz. 25 cts.

EUPHORBIA

(Hardy Annual)

Plants with ornamental foliage; very showy and easily raised from seed; height 2 ft.

450 **VARIEGATA** (Snow on the Mountain). Annual; foliage margined and veined white; 2 ft. Pkt. 5 cts., oz. 30 cts.

454 **HETEROPHYLLA** (Mexican Fire Plant). Annual. Large, glossy green leaves, turning orange scarlet in mid-season. Pkt. 5 cts., ¼ oz. 25 cts.

ESCHSCHOLTZIA (*California Poppy*)

(Hardy Annual)

With fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 ft.

440 **CALIFORNICA**. Pure yellow. Pkt. 5 cts., oz. 30 cts.

441 **GOLDEN WEST**. Magnificent, large, deep golden-yellow flowers. Pkt. 10 cts., oz. 40 cts.

445 **BURBANK'S CRIMSON FLOWERING**. Beautiful, clear rosy crimson flowers, producing profusely. Pkt. 5 cts., oz. 50 cts.

EVERLASTING FLOWERS

(Hardy Annual)

456 **ALL VARIETIES MIXED**. The so-called everlasting or straw flowers are of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arrayed in vases, they last for years. Pkt. 10 cts., ¼ oz. 30 cts.

FEVERFEW (*Matricaria*)

(Hardy Annual)

460 **DOUBLE WHITE**. Free flowering; for bedding or pot culture; showy double white flowers; 18 in. Pkt. 10 cts., oz. 40 cts.

FORGET-ME-NOT (See *Myosotis*)

FOXGLOVE (See *Digitalis*)

FOUR O'CLOCK (See *Marvel of Peru*)

GAILLARDIA (*Blanket Flower*)

(Hardy Annual)

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear the entire season on stout erect stems often 15 to 18 in. in length.

475 **LORENZIANA, DOUBLE, FINEST MIXED** (Annual). Beautiful colors, flowering from mid-summer to frost; fine for bedding or cutting; 1½ ft. Pkt. 5 cts., ¼ oz. 15 cts.

479 **FINEST MIXED**. Will grow during hot weather when other flowers fail. Pkt. 5 cts., oz. 25 cts.

HARDY PERENNIAL GAILLARDIA

476 **GRANDIFLORA COMPACTA**. Fine, compact plants, blooming freely; flowers scarlet, margined yellow; 1½ ft. Pkt. 10 cts., ¼ oz. 15 cts.

CODETIA (*Satin Flower*)

(Hardy Annual)

Very neat and free-flowering annuals that will be satisfactory for edging and for solid beds; for a blaze of color they will vie with the nasturtiums. Should not be planted in too rich soil. In bloom from June to Oct. Plant about 1 ft. apart.

490 **FINEST MIXED**. Pkt. 5 cts., ¼ oz. 25 cts.

GOLDEN GLOW (See *Rudbeckia*)

GOURD (*Ornamental*)

(Hardy Annual)

Rapid growing climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

495 **SUGAR TROUGH**. Used as water holders. Pkt. 5 cts., oz. 25 cts.

496 **DIPPER**. Very useful. Pkt. 5 cts., oz. 25 cts.

497 **JAPANESE NEST EGG**. Pkt. 5 cts., oz. 25 cts.

498 **PIPE CALABASH**. Pkt. 5 cts., oz. 25 cts.

499 **LUFFA** (Dish-Cloth, Sponge or Bonnet Gourd). Pkt. 5 cts., oz. 30 cts.

GYPHSOPHILA (*Baby's Breath*)

(Hardy Perennial)

All have graceful panicles of small flowers that are elegant for cut-flower purposes.

520 **PANICULATA**. The perennial variety that is easily grown from seed, equally useful for cutting, and a fine border plant; branches may be used for winter bouquets. Pkt. 5 cts., ¼ oz. 15 cts.

522 **ELEGANS**. An improved large-flowered white form. Pkt. 5 cts., ¼ oz. 15 cts.

HELIANTHUS

(*Sunflower*)

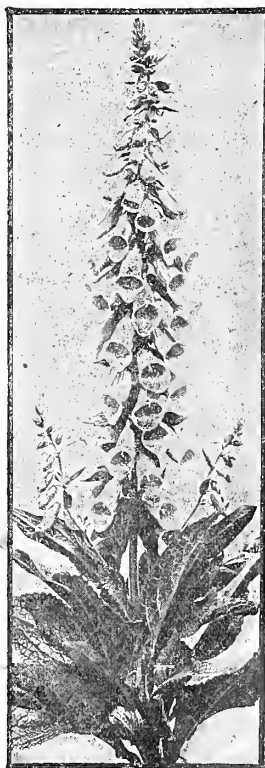
(Hardy Annual)

Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

530 **CRYSANTHEMUM-FLOWERED**. Rich, golden-yellow flowers, perfectly double, resembling a Chrysanthemum or Dahlia, 7 ft. Pkt. 5 cts., oz. 35 cts.

531 **CUCUMBRIFOLIUS**. An improvement on the type. Small deep orange flowers with dark discs; 2 ft. Pkt. 5 cts., oz. 30 cts.

532 **BRIGHT ROSY PINK**. With almost light tips. This we consider the loveliest color yet seen in sunflowers. Pkt. 15 cts., 2 pkts. 25 cts.



FOXGLOVE
See Page 70

HELIANTHUS (*Sunflower*)

535 **RED SUNFLOWER.** The plants vary in height from 5 to 8 ft., and throw out many side branches. Flowers are very numerous, of good form. The heads vary greatly in size, some are only 2 or 3 in. across, while others are a ft. or more. The color varies greatly, some plants produce flowers of a rich chestnut-red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border of this annual especially interesting and attractive. Pkt. 10 cts., 3 pkts. 25 cts.



STRAWFLOWER.

HELICRYSUM

(*Strawflower*)

(Hardy Annual)

540 Effective double flowers, making a fine display in beds or borders; they succeed in any rich garden soil; give them plenty of room to develop, planting not closer than 12 in. apart; hardy annuals; 2½ ft. Pkt. 5 cts., ¼ oz. 20 cts.

HELIOTROPE

(Hardy Annual)

Well known and highly prized on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 in.

545 **LEMOINE'S GIANTS.** Produces a profusion of flowers; nearly double the size of the old sort; mixed colors. Pkt. 10 cts., ½ oz. 40 cts.

HONESTY (*Moonwort, Satin Flower*)

548 Hardy biennials, admired for its silvery seed pouches, which are used for house ornaments, as they present a beautiful and rather curious appearance; 2 ft. Pkt. 5 cts., ¼ oz. 20 cts.

HOLLYHOCK

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 ft.

(Hardy Annual)

550 **ANNUAL MIXED.** Will bloom first season if sown in the house in March. Pkt. 10 cts., oz. \$1.00.

(Hardy Perennial)

555 **CHATER'S SNOW WHITE.** Pkt. 10 cts., oz. \$1.25.

556 **CHATER'S CANARY YELLOW.** Pkt. 10 cts., oz. \$1.25.

557 **CHATER'S PINK.** Pkt. 10 cts., oz. \$1.25.

558 **CHATER'S DEEP ROSE.** Pkt. 10 cts., oz. \$1.25.

559 **CHATER'S DOUBLE MIXED.** Pkt. 10 cts., oz. \$1.00.

560 **ALLEGHENY MIXED.** Semi-double; mammoth flowers, edges fringed and laciniated; mixed. Pkt. 10 cts., oz. \$1.00.

HUMULUS (*Japanese Hop*)

(Hardy Annual)

A rapid growing climber with luxuriant foliage.

571 **VARIEGATIS.** Leaves mottled with white. Pkt. 5 cts., oz. 50 cts.

HUNNEMANNIA

(Giant Yellow Tulip Poppy, or Bush Eschscholtzia)

(Hardy Annual)

575 **FUMARIAEFOLIA.** Produces in profusion large, yellow, poppy-like blossoms. In bloom from mid-summer until frost. Pkt. 10 cts., ¼ oz. 25 cts.

HYACINTH BEAN (See Dolichos)

IBERIS (*Hardy Candytuft*)

(Hardy Perennial)

578 **SEMPERVIRENS.** A profuse white-blooming, coming in flower early in the spring; much used for cemeteries, rockeries, etc. 1 ft. Pkt. 15 cts.

ICE PLANT (See Mesembryanthemum)

IMPATIENS (*Sultan's Balsam*)

A charming plant for house and conservatory decoration.

580 **HOLSTII HYBRIDS.** The colors offered in these New Hybrids are beautiful and of many shades. Pkt. 15 cts.

581 **SULTANI HYBRIDA.** Colors ranging from pale pink to dark crimson. Pkt. 15 cts.

IPOMOEA (*Moonflower*)

(Hardy Annual)

Climbers of rapid growth, with beautiful, varied flowers; for covering walls, trellises, arbors or stumps of trees they are invaluable; it is well to soak the seed in warm water over night to assist in rapid germination.

586 **MEXICANA GRANDIFLORA ALBA.** Very large, pure white, flowers, opening in the evening and on dark, cloudy days. Very rapid grower. Will reach out 30 to 40 ft. Will germinate in 12 to 15 days. Pkt. 10 cts., oz. 50 cts.

JAPANESE HOP (See Humulus)

JOB'S TEARS (See Coix)

KOCHIA

(*Summer Cypress or Mexican Fire Bush*)

(Hardy Annual)

590 **TRICOPHYLLA.** A very handsome, symmetrical plant, forming beautiful globose specimens without pruning or pinching; leaves assume crimson tint in the fall; 3 ft. Pkt. 5 cts., ¼ oz. 50 cts.

LANTANA

Verbena-like clusters of flowers, some changing color as the bloom ages. They are handsome bedding plants and beautiful for pots. The habit of the New Hybrids is a great improvement, these being fine, dwarf and compact plants. Seed may be sown as late as March.

600 **HYBRIDA COMPACTA.** New dwarf varieties. Fine mixed. Pkt. 10 cts., ¼ oz. 25 cts.

War time is depressing enough without barren lawns and gardens. It's just the time when we need flowers most. Will your lawn be bare next year?

LARKSPURS

(Hardy Annual)

These are among the best-known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds of lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubby border. They stand well when cut, and a vase of one or mixed colors is indeed charming.

370 **DWARF DOUBLE ROCKET.** Among the first to flower. Very choice strain; mixed. Pkt. 5 cts., oz. 25 cts.

371 **TALL DOUBLE ROCKET.** Fine mixed, many shades; 2 ft. Pkt. 5 cts., oz. 25 cts.

373 **TALL DOUBLE, STOCK-FLOWERED, MIXED.** These are early varieties, fine for borders or among shrubs and useful for cutting. Beautiful shades, 2½ ft. Mixed. Pkt. 5 cts., oz. 50 cts.

LATHYRUS

(*Everlasting, or Hardy Sweet Pea*)

(Hardy Perennial)

Everlasting Sweet Pea, with flowers much like the annual sort, but without fragrance. Produces showy, climbing vines suitable for screens, trellises, etc., and flowers all summer.

605 **LATIFOLIUS MIXED.** Pkt. 5 cts., oz. 40 cts.

LAVATERA (Annual Mallow)

(Hardy Annual)

610 **SPLENDENS ROSEA.** A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed. Pkt. 10 cts., ¼ oz. 25 cts.

LAVENDER (*Lavendula Vera*)

615 Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 in. Pkt. 5 cts., oz. 75 cts.

LINARIA (*Kenilworth Ivy*)

(Hardy Annual)

620 **CYMBALARIA MAXIMA.** Glossy, ivy-like foliage. New, large-flowered varieties. Color, white to rose. Very neat trailing plant for boxes, baskets, etc. Pkt. 10 cts.

LINUM (*Scarlet Flax*)

(Hardy Annual)

625 **GRANDIFLORUM RUBRUM.** Ideal for bedding; dwarf and compact, with light-green foliage and bright scarlet flowers. Pkt. 5 cts., oz. 25 cts.

LOVE-IN-A-MIST (See *Nigella*)

LOBELIA

(Hardy Annual and Perennial)

That are extensively used for bedding, being valuable for blue edging. Also elegant for baskets, pots, etc. Require a good soil for best effect.

630 **CRYSTAL PALACE COMPACTA.** Foliage dark; flowers rich, deep blue; the best bedder. Pkt. 10 cts., ½ oz. 50 cts.

631 **EMPEROR WILLIAM.** Deep blue; dwarf and nice. Pkt. 10 cts., ½ oz. 60 cts.

633 **HAMBURGIA.** Blue trailing. Pkt. 10 cts., 3 pkts. 25 cts.

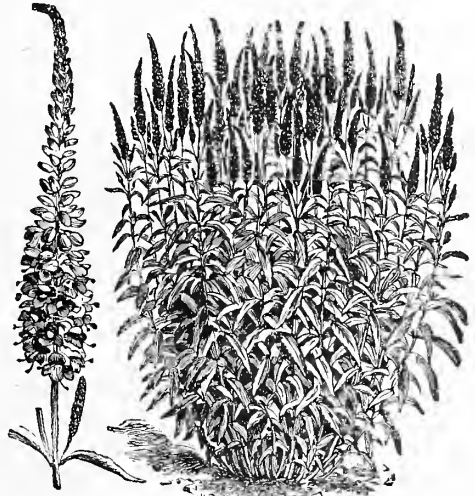
634 **CARDINALS (Cardinal Flower).** Hardy Perennial. A native species, succeeding best in moist situations; flowers intense scarlet; August to October, 2 ft. Pkt. 25 cts. ½ oz. \$1.25.

LUPINUS (*Lupine; Sun-Dial*)

(Hardy Annual)

Free flowering, easily grown plants with long spikes of pea-shaped flowers; excellent for cutting; will bloom in 6 weeks after sowing; 2 ft.

640 **MIXED.** Annual sorts. Pkt. 5 cts., oz. 20 cts.



LUPINUS

MARIGOLD (*Tagetes*)

(Hardy Annual)

Old-fashioned annuals, always satisfactory, giving a fine display from mid-summer to frost from outdoor-sown seed; for earlier bloom seed should be started in frames.

650 **LEMON QUEEN.** Very large, globular, double canary-yellow flowers. Erect, branching habit; 2 ft. Pkt. 5 cts., oz. 75 cts.

651 **ORANGE PRINCE.** Flowers very large, of a deep orange color. Pkt. 10 cts., oz. 75 cts.

652 **LARGE AFRICAN.** Tall double mixed. Pkt. 5 cts., oz. 30 cts.

653 **FRENCH LEGION OF HONOR.** Single; bright yellow with dark crimson spots or blotches; a good bedder; 9 in. Pkt. 5 cts., oz. 35 cts.

654 **FRENCH DWARF DOUBLE MIXED.** Pkt. 5 cts., oz. 30 cts.

655 **FRENCH STRIPED GOLD.** Double, brownish-red striped. Pkt. 5 cts., oz. 30 cts.

Clayton A. Briggs, Salem, O.—“We were very well pleased with all the seeds received from you last year.”

MATRICARIA (See *Feverfew*)

MARVEL OF PERU (*Four O'clocks*)

(Hardy Annual)

660 **CHOICE MIXED.** Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 ft. Pkt. 5 cts., oz. 15 cts.

MESEMBRYANTHEMUM

(Hardy Annual)

Interesting dwarf ornamental foliage plants of great beauty; love a sunny situation, bloom all summer.

665 **CRYSTALLINUM (Ice Plant).** Flowers white; foliage covered with ice-like globules. Pkt. 5 cts., ¼ oz. 15 cts.



MORNING GLORY

MIGNONETTE

(Hardy Annual)

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in green-houses during winter.

- 670 **MILES' SPIRAL.** Of strong, branching habit, with spikes from 8 to 10 in. long; very fragrant. Pkt. 5 cts., oz. 25 cts.
- 671 **LARGE FLOWERING MIXED.** Pkt. 5 cts., oz. 25 cts.
- 673 **GOLDEN MACHET.** Distinct variety of Machet, with massive spikes of golden-yellow blossoms. Pkt. 10 cts., oz. 50 cts.
- 674 **GOLIATH.** Giant trusses of red flowers borne on long, heavy spikes. One of the best for growing indoors; 1 ft. Pkt. 10 cts., oz. 50 cts.
- 675 **DEFIANCE.** Spikes of great length with large flowers; fine cut-flower variety; 1 to 1 1/4 ft. Pkt. 10 cts., oz. 60 cts.
- 676 **PARSON'S WHITE.** Large Spikes, pure white, very fragrant. Pkt. 5 cts., oz. 35 cts.

Mrs. M. Anderson, Mayville, N. Dak.—"The seeds and bulbs we received we were very well pleased with."

MIMOSA (Sensitive Plant)

(Hardy Annual)

- 680 **PUDICA.** Curious, interesting, with pinkish-white flowers; the leaves close and droop when touched or shaken; 1 1/2 ft. Pkt. 5 cts., 1/8 oz. 25 cts.

MIMULUS

(Hardy Annual)

Showy, profuse-flowering plants; fine for greenhouse or moist, shady situation. Blooming the first year from seed if sown early; 1 ft.

- 685 **MOSCHATUS (Musk Plant).** Fine for hanging-baskets, etc.; small yellow flowers, fragrant foliage. Pkt. 10 cts., 3 pkts. 25 cts.
- 686 **TIGRINUS (Monkey Flower).** Very beautiful, large-flowered, tigered and spotted; very showy; 9 in. Pkt. 10 cts., 3 pkts. 25 cts.

MOMORDICA

(Hardy Annual)

Ornamental vine for trellis, etc.; flowers followed by golden yellow, warty fruits; 10 ft.

- 688 **BALSAMINA (Balsam Apple).** Apple-shaped. Pkt. 5 cts., oz. 30 cts.
- 689 **CHARANTIA (Balsam Pear).** Pear-shaped. Pkt. 5 cts., oz. 30 cts. Golden Yellow; tall. Pkt. 5 cts., oz. 40 cts.

MOON FLOWER (See Ipomea)

MORNING GLORY (Convolvulus)

(Hardy Annual)

One of the most popular climbers. Rapid grower.

- 695 **JAPANESE IMPERIAL.** Flowers of large size, and great variety of colors. Pkt. 5 cts., oz. 25 cts.
- 696 **GIANT MIXED.** All shades; mammoth size. Pkt. 5 cts.
- 697 **HEAVENLY BLUE.** Charming and distinct. Flowers are extra large in size, a lovely light blue, outlined with a narrow band of silvery white. Pkt. 10 cts., oz. 35 cts.

MOURNING BRIDE (See Scabiosa)

MYOSOTIS (Forget-me-not)

(Bi-Ennials)

These are lovely plants for moist and shady situations. These flower the first year from seed. Sown in spring they flower in the fall; if wanted for springflowering sow in July and transplant in the fall; 1 ft.

- 700 **ALPESTRIS, VICTORIA.** Dwarf and bushy. Also very early, flowering 8 to 10 weeks after sown; large bright blue flowers. Pkt. 10 cts., 1/8 oz. 35 cts.
- 701 **ALPESTRIS, MIXED.** Pkt. 5 cts., 1/4 oz. 25 cts.
- 703 **PALUSTRIS.** The true "Forget-me-not." Bright blue flowers. Pkt. 10 cts., 1/8 oz. 50 cts.

NASTURTIUMS (Tall or Climbing)

(Hardy Annual)

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 ft.

- 711 **MIDNIGHT.** Foliage very dark green, flowers deep brownish red. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 712 **ROSE.** A lovely shade of rose. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 714 **JUPITER.** Large, golden-yellow flowers, on long stems. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 715 **SUNLIGHT.** Pure, rich butter-yellow flowers, often 3 in. across. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 716 **MOONLIGHT.** Very light cream flowers, of largest size. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 717 **TWILIGHT.** Large, beautiful flowers, salmon-rose, suffused scarlet. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.
- 718 **CRYSTAL PALACE.** Bright, orange-scarlet marked with bronze. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts.

"HOLCO" TALL, FINEST MIXED NASTURTIUMS

- 721 This mixture is comprised of the most brilliant colorings, of both the Lobbinum Nasturtiums and many choice tall named varieties, with both light and dark green foliage. Pkt. 5 cts.; oz. 20 cts.; 1/4 lb. 60 cts., postpaid.



NASTURTIIUMS

NASTURTIIUMS

(*Tomb Thumb, Dwarf or Bedding*)

- 730 **AURORA.** Rich yellow, veined carmine. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 731 **CRYSTAL PALACE GEM.** Sulphur yellow, spotted maroon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 732 **DEEP CRIMSON.** Deep velvety red, brown and brownish crimson. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 733 **RUDOLPH VIRCHOW.** Soft rosy pink. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 734 **MIDNIGHT.** Plants of extremely dark green foliage. Flowers deep brownish red. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 735 **ROSE PINK.** Soft rose color. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 736 **PEARL.** Creamy white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 737 **QUEEN.** Dwarf, dense bushes, with variegated foliage and flowers in a large variety of colors. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

740 "HOLCO" DWARF FINEST MIXTURE.

This mixture is composed of choice large-flowered varieties, selected and grown both in mixture and in separate strains, properly blended. When in full bloom, are extremely gorgeous, remarkable both for brilliancy of coloring and for perfection of individual flowers. This seed is now so moderate in price that it should be sown liberally. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., postpaid.

NICOTIANA (*Tobacco*)

(Hardy Annual)

- 755 **AFFINIA** (Tuberose-Flowered Tobacco). Sweet scented, pure white, tubular flowers, blooming continually; 2 to 3 ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 757 **SANDERAE.** A splendid type in a great variety of colors. Pkt. 10 cts., 3 pkts. 25 cts.

NIGELLA (*Love in a Mist*)

(Hardy Annual)

765 **DAMASCENA.** Showy, with finely-cut foliage, and centaurea-like flowers, blue and white mixed; 1 ft. Pkt. 5 cts., $\frac{1}{2}$ oz. 25 cts.

PEA, EVERLASTING (See *Lathyrus*)

PENSTEMON (*Beard Tongue*)

(Hardy Perennial)

A beautiful plant, producing large spikes of handsome flowers.

820 **LARGE FLOWERING MIXED.** Producing large spikes of handsome flowers; 3 ft. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

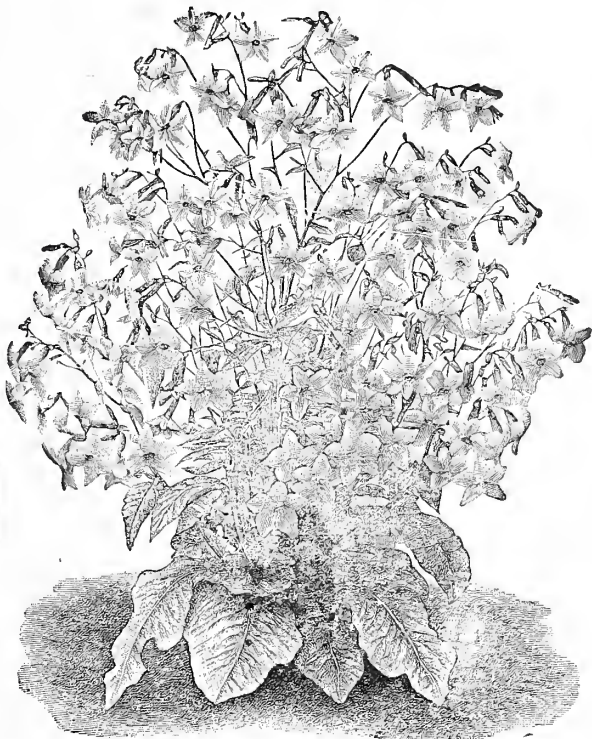
THE CHILDREN'S FLOWER GARDEN COLLECTION

We have carefully selected certain varieties of seeds which grow, so to speak, by themselves with the least care, all annuals, which sprout rapidly, the little folk being the most eager for results. A little seed, a bulb or two, a few pennies' worth, and the child will know more real joy and pleasure than many a one with the largest estate tended by skilled gardeners.

SEEDS THAT WILL GROW WITH LITTLE CARE

Asters	Zinnias	Nasturtiums
Calendula	Sweet Alyssum	Balsams
Centaurea (Bachelors' Button)	Candytuft	Cosmos
Petunias	Eschscholtzia	Marigold
Sweet Peas	Poppies	Portulaca
Verbena	Ricinus	Pinks
	Mignonette	Annual Phlox

The 20 packets for 50 cts.
10 packets, your choice, 30 cts.
5 packets, your choice, 20 cts.



NICOTIANA AFFINIA

"Holco Seeds" have given excellent results in all parts of the world.



"HOLCO" GIANT PRIZE STRAIN

"HOLCO" GIANT-FLOWERED PANSIES

If your soil is not of the quality of first-class potting soil prepare your beds for sowing as follows: (1) Your ground being perfectly clean and free of weeds and trash, pulverize the soil to a depth of 6 or more inches. (2) On the level surface spread evenly a layer of pulverized manure, barnyard scrapings preferred, to a depth of at least 1 inch. (3) Overlay manure with half inch of the best soil you have thoroughly pulverized. (4) Roll or rake down and tamp surface true and smooth. (5) Use the hose freely and soak down the bed several inches. (6) Sow your seeds in drills or broadcast—we sow broadcast. (7) Cover as lightly as possible with your best soil or sand. Sand is best. (8) Use light spray of water to moisten surface. (9) Allowing plenty of ventilation, keep your beds moist, quite moist, but not soaking wet until plants come up.

Never allow your beds to become dry. Any dryness after seeds sprout is **Absolutely Fatal**.

These directions are for sowing in the open field, but will apply when using flats or cold frames. We use 60 to 75 square ft. to sow an ounce of seed. We estimate 5 to 6 thousand plants per ounce. We have reports as high as 11 thousand per ounce. One grower reports 1200 plants from 1-12 ounce.

When ordering, ask for our Leaflet on Pansies Culture.

Giant-Flowered Pansies in Mixtures

"HOLCO" GIANT PRIZE STRAIN

This strain contains the best pansies we know of. Besides colors and shades of our own selection it contains such novelties and varieties from other growers as we have found worth while after careful trials. It will produce flowers of large size, splendid form and substance and in the widest range of shades and colors. Pkt. 25 cts., 3 pks. 50 cts.

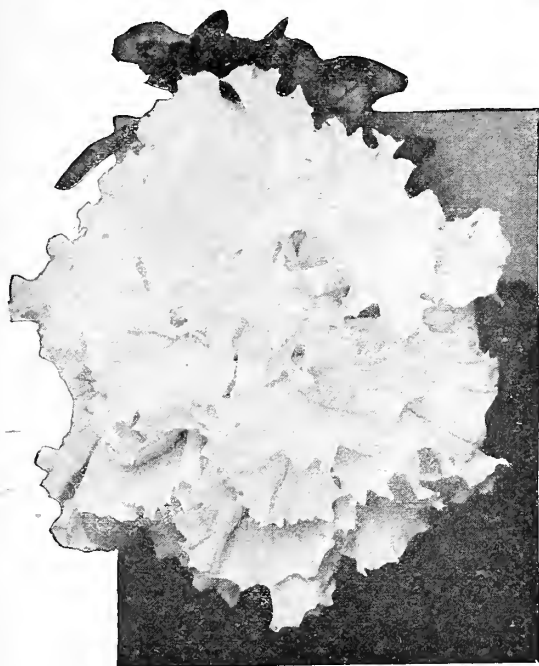
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| <p>775 "HOLCO" GIANT EXHIBITION. This is a fine strain, the flowers being of perfect form and richest colors. For frame culture this variety is unexcelled, producing flowers of great size and perfection; equally good out of doors. Pkt. 25 cts., 1/8 oz. 75 cts.</p> <p>777 MASTERPIECE (Giant Ruffled). A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating. Pkt. 15 cts., 1/8 oz. 75 cts.</p> | <p>778 MASTODON MIXED. Extra large, colors are wonderful; something worthy of trial. Pkt. 25 cts., 1/8 oz. 75 cts.</p> <p>781 MME. PERRET. A new and beautiful strain, originated with a French specialist, flowers of large size borne very freely in great diversity of colors, especially rich in red and wine shades. The stock we offer comes direct from the introducer. Pkt. 15 cts., 1/8 oz. 60 cts.</p> <p>780 TRIMARDEAU or GIANT MIXED. Pkt. 10 cts., 1/8 oz. 50 cts., oz. \$3.50.</p> |
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Giant-Flowered Pansies Separate Colors

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| <p>785 BRIDESMAID. A beautiful clear white, with shining rose-colored blotch; a rare pansy of large size. Pkt. 15 cts.</p> <p>786 BRONZE MASTODON. New, very large. All the different shades from burnished brass to gold. Pkt. 10 cts.</p> <p>787 BLACK MASTODON. New. The finest and largest black. Pkt. 10 cts.</p> <p>788 EMPEROR WILLIAM. Rich deep blue. Pkt. 10 cts.</p> <p>791 GRAND DUKE MICHEL. The finest and largest all-white pansy in the world. Pkt. 10 cts.</p> | <p>792 LORD BEACONSFIELD. Purple violet shading to white. Pkt. 10 cts.</p> <p>793 MADAME STEELE. Elk's purple. Pkt. 10 cts.</p> <p>794 MERCURY. Deep black-purple-red. Pkt. 10 cts.</p> <p>795 PANAMA-PACIFIC YELLOW. New. A huge deep yellow; some with dark centers, some without. Pkt. 10 cts.</p> <p>796 PARISIAN YELLOW. A pure yellow of the grandest form and size. Pkt. 10 cts.</p> <p>797 PRINCE HENRY. Rich royal blue. Pkt. 10 cts.</p> |
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Collection, containing a packet each of above named sorts, 90 cts.

Be sure to plant a "Holco" garden this year.



PETUNIA GIANT RUFFLED FRINGED

PETUNIA

(Hardy Annual)

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, gives a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine, but the plants are of easiest culture.

825 GIANTS OF CALIFORNIA. One of the largest varieties; bright and desirable colors; strong, robust plants. Pkt. 15 cts.

826 HOWARD'S STAR. Very free-flowering. A blush-pink star on maroon ground. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

GIANT RUFFLED FRINGED

827 Our grower has specialized in crossing Petunias, selecting for the purpose each year, the strongest, finest varieties susceptible to further improvement. As a consequence, these Petunias are unexcelled the world over in size and color. Almost every color and color combination has been attained, and their remarkable beauty is certainly difficult to describe. These Petunias were awarded the Gold Medal at the California Land Show. Pkt. 25 cts.

828 ROSY MORN. A lovely, rose shade with velvety throat; bushy and very free. 6 in. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

830 FINEST MIXED. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

A. Pearce, Akron, O.—"Am very glad I came down to your seed store. You have a fine store and I received such kind attention. You also have a very good grade of seeds."

Percy Lewis, Grafton, O.—"The seeds I received were very nice."

DOUBLE-FLOWERING PETUNIAS

832 LARGE-FLOWERING, FRINGED, MIXED. A superb mixture of finely fringed varieties in many colors. Pkt. 25 cts. Trade pkt. 1000 seeds, \$2.00.

T. J. Mason, Grafton, O.—"Thanking you for your promptness in filling our orders."

PHLOX DRUMMONDII

(Hardy Annuals)

The Phlox Drummond is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon-gardening, therefore no garden should be without them. They should be sown outdoors in May, in a situation well open to the sun, and they will flower and be a mass of color in July and continue until late autumn. Seeds may be sown in a hotbed in March and flowers be had in June.

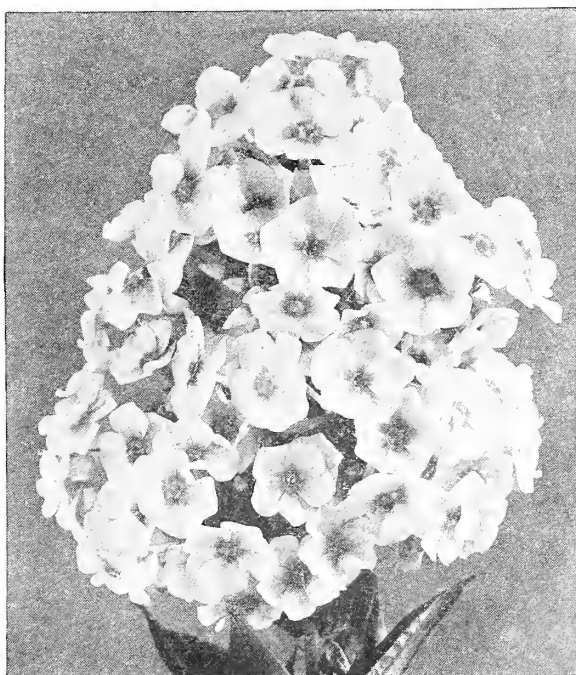
840 PHLOX DRUMMONDII. Mixed colors. Pkt. 5 cts. $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

845 STAR PHLOX (Stellata). Of dwarf habit, with very pretty star-shaped flowers. A novel variety; mixed colors. Pkt. 10 cts; $\frac{1}{4}$ oz. 40 cts.

847 HARDY PERENNIAL PHLOX. Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. For best results should be sown as soon as frost is out of the ground in spring or as soon as gathered in the autumn. Pkt. 10 cts, $\frac{1}{4}$ oz. 50 cts.

PINK (See Dianthus)

Charley Peshamus, N. Y.—"Please send me Holco Seed Book for 1919, the seeds I got of you last year were fine. I would like to send my order as soon as possible."



PHLOX DRUMMONDII

POPPIES

(Hardy Annuals and Perennials)

Poppies are unsurpassed for brilliancy of color, from the charming little Shirley to the gorgeous peony-flowered, are subjects of lavish admiration. As they do not transplant satisfactorily, it is advisable to sow where they are to remain. Many are elegant for cutting, particularly the Shirleys; these, if picked early in the morning with buds just showing color, will be found durable for 2 days or more.

SINGLE ANNUAL POPPIES

- 850 "HOLCO" SELECT SHIRLEY. This is an extra fine strain of these charming poppies. They are single, and range in colors from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood-red, while many are edged and striped. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.25.
- 851 TULIP FLOWERED. A beautiful poppy, resembling a large tulip; color, a dazzling scarlet; 1 ft. Pkt. 5 cts., ¼ oz. 25 cts.

DOUBLE ANNUAL POPPIES

- 854 CARDINAL. Large; fringed; scarlet; very effective. Pkt. 5 cts., oz. 30 cts.
- 855 CARNATION FLOWERED. A splendid border variety. Large, very double, fringed flowers in brilliant colors; 2½ ft. Pkt. 5 cts., oz. 20 cts.
- 857 MIKADO (The Striped Japanese Poppy). This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt. 5 cts., oz. 25 cts.
- 858 PAEONY FLOWERED. Large, showy, double globular flowers, resembling a double peony, mixed colors. Pkt. 5 cts., oz. 20 cts.

Mrs. Lillian E. Muckelburg, Wellington, O.—"The seeds I received from you were perfectly satisfactory."

HARDY PERENNIAL POPPIES

These varieties may be sown from July to Sept. to flower the following season, though the Iceland variety will flower the first season from seed sown in Feb.

- 860 ICELAND. Very graceful, dwarf plants containing over 20 shades; 1 ft. Pkt. 10 cts., ¼ oz. 25 cts.
- 861 ORIENTALE (Oriental Poppy). Gigantic, dark scarlet flowers. Pkt. 10 cts., ¼ oz. 25 cts.
- 862 ORIENTAL HYBRIDS. A splendid mixture of all colors, rose, lilac and mauve shades included; very fine for cutting. Pkt. 10 cts., ¼ oz. 50 cts.
- 864 MRS. PERRY (Oriental). Rich salmon pink. Pkt. 10 cts.

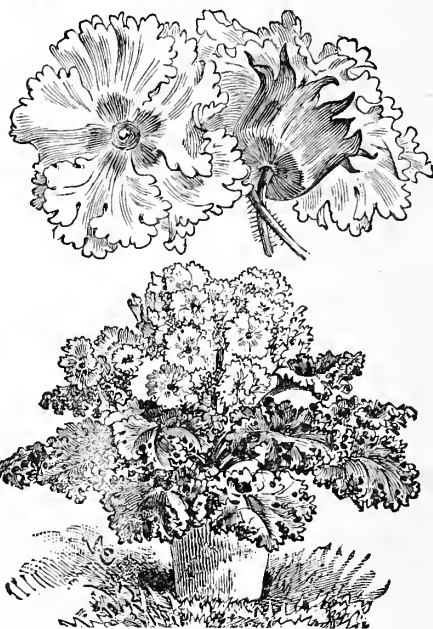
PORTULACA (*Sun Plant*)

(Hardy Annual)

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

- 870 SINGLE MIXED. All colors. Pkt. 5 cts., ¼ oz. 25 cts.
- 871 DOUBLE MIXED. All colors. Pkt. 10 cts., ¼ oz. 50 cts.

Mrs. S. J. Smith, Wis.—"We were well pleased with seeds obtained from you."



FRINGED CHINESE PRIMROSE

PRIMULA (*Primrose*)

Beautiful house plants that are quite readily grown from seed, which should be sown thinly so that earliest plants may be removed without disturbing seed that will germinate later.

PRIMULA SINENSIS (Fringed Chinese Primrose)

This beautiful Chinese Fringed Primrose is indispensable for spring decoration in the home or conservatory, and ranks as one of the finest of all winter-blooming pot-plants grown by the florist or the home gardener. Our Giant Fringed strain is of the highest merit and is carefully selected.

- 875 GIANT MIXED. Superb mixture. Pkt. 50 cts.
- 877 DOUBLE MIXED. Pkt. 25 cts.
- 878 STAR PRIMULAS (*Primula Sinensis Stellata*). Very fine as pot-plants or for cutting, remaining fresh for many days. Mixed. Pkt. 25 cts.

PRIMULA OBCONICA

- 880 PRIMULA KEWENSIS (*Verbena Scented Yellow Primrose*). Spikes each 12 to 18 in long, and bearing 4 to 6 whorls of bloom; color soft yellow. Pkt. 25 cts.
- 882 OBCONICA GIGANTEA MIXED. Pkt. 20 cts.
- 885 MALACOIDES. If grown in a greenhouse it will bloom in 4 to 5 months after sowing; color a pretty light-lilac. Pkt. 25 cts.
- 889 FORBESI (*Baby Primrose*). This is the freest-flowering primula we know of. The little plants throw up tiny flower stalks when only a few weeks old. These should be pinched off and the plants kept growing until Oct., and from then on until late in spring they produce their sprays of beautiful rosy-lilac flowers in profusion. Pkt 25 cts.

HARDY PRIMROSES

- 890 JAPONICA (*Japanese Primrose*). Bright and showy flowers; borne in whorls on stems 6 in. long. Pkt. 10 cts.

The more attention your garden gets the better you will be repaid.

PYRETHRUM

(Hardy Perennial)

- 895 ROSEUM (Insect Powder Plant). New, large or giant-flowered varieties, ranging from light pink to carmine-red. Elegant for cutting, plants perfectly hardy. Pkt. 10 cts., $\frac{1}{4}$ oz. 65 cts.
- 898 AUREUM (Golden Feather). Fine little plant for bordering and edging beds, contrasting very nicely with its bright yellow foliage. 6 in. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

RHODANTHE (Everlasting Flower)

(Hardy Annual)

- 900 A beautiful Flower in the garden or for pot culture; mixed colors; 1 ft. Pkt. 5 cts.

RICINUS (Castor Oil Bean)

(Hardy Annual)

These ornamental plants are used with great effect on lawns, as centerpieces in flowering beds such as cannas, etc.

- 995 BORBONIENSIS. Beautiful green foliage; 15 ft. Pkt. 5 cts., oz. 15 cts.
- 996 ZANZIBARIENSIS. Enormous leaves varying in color from light green to purplish red; 12 ft. Pkt. 5 cts., oz. 15 cts.
- 999 MIXED. All sorts. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

RUDBECKIA (Coneflower)

(Hardy Perennial)

Tall growing plants, flowering profusely all summer.

- 1006 NEWMANI (Golden Glow). Large yellow flowers with black center; perennial; 3 ft.; all summer. Pkt. 10 cts.

SALPIGLOSSIS (Painted Tongue)

(Hardy Annual)

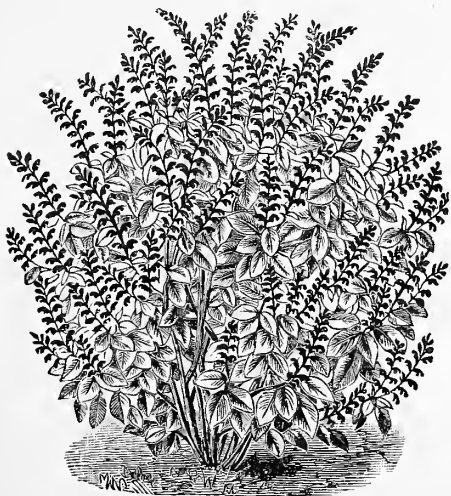
Easy growing plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 in. Excellent.

- 1010 EMPEROR, CHOICE MIXED. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

SNAPDRAGON (See Antirrhinum)

SENSITIVE PLANT (See Mimosa Pudica)

SCARLET RUNNER (See Bean)



SALVIA SPLENDENS

SALVIA (Scarlet Sage)

(Hardy Annual)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from Feb. until April or in hot beds. May be sown in the open ground in May.

- 1015 ZURICH. A new dwarf, free and early-flowering variety. A splendid bedder; $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.
- 1016 SPLENDENDS (Scarlet Sage). Tall variety, very rich and free; late; 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
- 1017 BONFIRE (Clara Bedman). Compact bushy plants 2 ft. high, producing innumerable erect spikes of the most brilliant scarlet flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

SCABIOSA (Mourning Bride, Sweet Scabious, Pin-Cushion Flower, etc.)

(Hardy Annual)

Free-flowing of easy culture; splendid for cutting or garden effect; should be in every collection.

- 1020 FINEST MIXED. Pkt. 5 cts., oz. 50 cts.

STOCKS (Gilliflower)

(Hardy Annual)

General favorite for bedding; excellent for pot-plants or cutting. August-sown seed will produce fine plants for spring pot sale or cutting. Seed sown under glass in March will supply nice bedding plants in light soils and may be sown outside in April and May and will afford bloom from summer until frost. All delightfully fragrant.

IMPROVED LARGE - FLOWERING 10 - WEEK STOCKS

This is the leading class for bedding out for summer blooming, coming into flower quicker than other types.

- 1030 MIXED. Double large-flowering. Pkt. 5 cts., $\frac{1}{8}$ oz. 50 cts.
- 1031 SNOWFLAKE. A dwarf 10-week wallflower-leaved variety with large double snow-white flowers; fine for pot culture. Pkt. 15 cts.

CUT-AND-COME-AGAIN 10-WEEK STOCKS

Sown in March or April, begin flowering in July, continuing until frost, especially valuable during Sept. and Oct., when other flowers are scarce. All bear double, fragrant flowers.

- 1035 PRINCESS ALICE. White. Pkt. 10 cts.
- 1036 CANARY. Pkt. 10 cts.
- 1037 LIGHT BLUE. Pkt. 10 cts.
- 1038 DARK BLOOD RED. Pkt. 10 cts.
- 1039 BEST MIXED. Pkt. 10 cts.

EARLY BROMPTON OR "NICE" STOCKS

- 1045 BEAUTY OF NICE. Delicate flesh-pink. Pkt. 15 cts.
- 1046 CANARY YELLOW. A beautiful clear yellow. Pkt. 15 cts.
- 1047 CRIMSON KING. Rich blood crimson. Pkt. 15 cts.
- 1048 QUEEN ALEXANDRIA. Soft rosy-lilac. Pkt. 15 cts.

STOKESIA (Cornflower Aster)

(Hardy Perennial)

Plants grow about 15 to 18 in. high, bearing freely from July to Oct. handsome Centaurea-like blossoms, each measuring from 4 to 5 in. across; it is of easy culture, and one of the most desirable plants for the hardy border, and also for cutting.

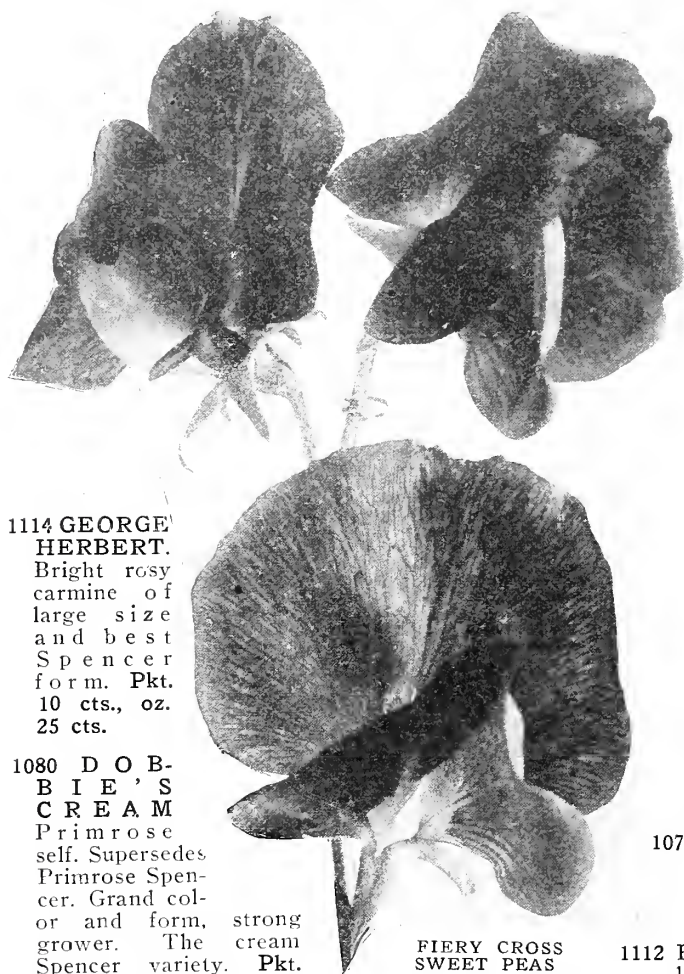
- 1060 Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

STRAW FLOWER (See Helichrysum and Rhodanthe)

SUNFLOWER (See Helianthus)

"HOLCO" SPENCER SWEET PEAS FOR 1919

SPENCER—Or as they are sometimes called Orchid-flowered Sweet Peas—can now be had in almost any color. The unique combinations of shades are almost indescribable. Holco list comprises the newer varieties that have replaced the old type of Spencer Sweet Peas. We have kept away from duplicating shades, that you may select any variety knowing it to produce a different shade.



1114 GEORGE HERBERT. Bright rosy carmine of large size and best Spencer form. Pkt. 10 cts., oz. 25 cts.

1080 DOBBIE'S CREAM Primrose self. Supersedes Primrose Spencer. Grand color and form, strong grower. The cream Spencer variety. Pkt. 15 cts., oz. 50 cts.

1108 ELFRIDA PEARSON. Deep blush waved. This Pea took the place of Florence Morse Spencer and others. It is a splendid Pea in every way. Free flowering, strong growing and produces strong stems carrying four blossoms as a rule. The color is very pleasing and is white ground flushed with pink. In the young state the pink color seems to have a bronze sheen. This Pea will lead the blush pink section for many years to come. Pkt. 10 cts., oz. 50 cts.

1113 FLORENCE NIGHTINGALE. Clear lavender with a little mauve color in flower. Pkt. 10 cts., oz. 25 cts.

FIERY CROSS SWEET PEAS

1101 ASTA OHN. Pinkish lavender, the wings showing a little more clear lavender. Good size and best Spencer form. Pkt. 10 cts., oz. 25 cts.

1102 AURORA SPENCER. A brilliant orange rose striped and flaked on white. Of the finest Spencer form and of immense size. Pkt. 10 cts., oz. 25 cts.

1132 BARBARA. A large salmon orange self. Beautiful color when grown well and shaded. Pkt. 10 cts., oz. 30 cts.

1078 CONSTANCE HINTON. A black seeded white Spencer of enormous size and fine Spencer form. Young flowers generally tinted a trifle pink, but flower soon turns pure white. A fine variety. Pkt. 10 cts., oz. 50 cts.

1106 COUNTESS SPENCER. The original Spencer type Sweet Pea and to the present day one of the best pinks. The color is bright clear pink on white ground. The pink deepens towards edge of standard: Standard and wings beautifully waved. Strong grower and bears numerous fours. Pkt. 10 cts., oz. 25 cts.

1107 DAINTY SPENCER. A large White Spencer, edged with clear rose pink. Very pretty when well grown but under some conditions the color suffuses through the standard wings. One of the daintiest Sweet Peas, when perfect. Pkt. 10 cts., oz. 25 cts.

1079 DECORATOR. A Rose Spencer. Vine dark colored in original stock but some growers have a light colored vine. An award of Merit was given. Pkt. 10 cts., oz. 40 cts.

1112 FLORENCE MORSE SPENCER. Beautiful light pink, deepening towards edges. Very large, open, wavy form of the best Countess Spencer type, with long stems and four blossoms to the stem. Perhaps better described as a light, pink-edged Countess Spencer. Our new strain of it comes perfectly true. Pkt. 10 cts., oz. 25 cts.

1081 FIERY CROSS. An entirely new shade of red in Sweet Peas and easily the most brilliant red Spencer. The shade of red is hard to describe. It is what is known by some as "Turkey" red or "Military" red. A bright red orange cerise with some salmon in it might convey the idea. Flower opens pale but deepens with age. Pkt. 20 cts.

1076 "HOLCO" GIANT WAVED SPENCER SWEET PEA MIXTURE. This mixture has been made with extraordinary care by us from the finest named, true, large flowering Spencer varieties introduced to date, and in such quantities as to produce a well-balanced and finely-proportioned color effect. All dull and undesirable colors have been omitted, making the mixture the best ever offered. No better can be had. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50 postpaid.

"HOLCO" GIANT SPENCER SWEET PEAS

- 1116 **HELEN LEWIS.** Standard orange, wings rosy salmon. Large, wavy. One of the earliest Spencer varieties and still a favorite. Pkt. 10 cts., oz. 25 cts.
- 1135 **HELEN PIERCE.** Pure white, veined, mottled and marbled with bright blue. The base of the petals does not show the color while the back of the standard is quite heavily colored. Helen Pierce Spencer is best waved variety of of this kind. Pkt. 10 cts., oz. 50 cts.
- 1134 **HERCULES.** Rich pink, waved. A giant Countess Spencer. The individual flowers when well grown are very fine and are much finer than Countess Spencer, especially when grown for exhibition. Pkt. 10 cts., oz. 50 cts.
- 1082 **HILARY CHRISTIE.** Standard frosted orange cerise with crenulated fiery scarlet edge. Wings rosy carmine, keel delicate fawny lemon. General tone of flower bronzy orange pink. Pkt. 15 cts., oz. 75 cts.
- 1117 **ILLUMINATOR.** A glorious orange salmon. In dull light the color appears to be a flat orange scarlet but in sunshine or under artificial light the color is bright salmon cerise, sparkling with orange. Pkt. 10 cts., oz. 30 cts.
- 1083 **JEAN IRELAND.** Beautiful cream colored, edged with deep pink. If this maintains its character under cultivation, it will easily be the premier picotee cream. The form, placing and coloring of the flowers leave little to be desired. Pkt. 15 cts., oz. 75 cts.
- 1118 **KING EDWARD SPENCER.** Rich crimson, waved. Flowers are large and of fine Spencer form. It is a vigorous grower and is a good variety for exhibition and for garden. Pkt. 10 cts., oz. 25 cts.
- 1119 **KING WHITE.** A superb white. Purity of whiteness and vigor, form and size remarkable, substance wanting. This is a grand Pea for dry climates but is too thin where rains are frequent during blooming time. Pkt. 10 cts., oz. 50 cts.
- 1120 **LOYALTY.** Violet flake, waved on white ground. Pkt. 10 cts., oz. 30 cts.
- 1122 **MARGARET ATLEE.** A Giant Pink. Apricot pink or cream ground. The pink is suffused perfectly over the cream ground. A strong grower and a most useful Pea for exhibition or garden decoration. Pkt. 10 cts., oz. 30 cts.
- MRS. CUTHBERTSON.** The best pink and white bicolor. The standard is light rose pink and wings are white flushed pale rose pink. The variety is a strong grower and the flowers are very large and exceedingly beautiful. One of the most pleasing Sweet Peas and a telling variety for competition. Pkt. 10 cts., oz. 75 cts.
- 1084 **NEW MARGARET MADISON.** In Margaret Madison we have a greatly improved strain of the popular lavender color found in the variety Margaret Madison. The size of the blossom has been almost double and the form of the flower is now all that could be wished for in a Spencer Sweet Pea. The color, too, is daintier and prettier and is as near a true lavender as one could wish. Pkt. 10 cts., oz. 50 cts.
- NEW MIRIAM BEAVER.** It is the daintiest and most pleasing shade of pink yet discovered in Sweet Peas. The color is hard to determine, but we think that a soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink would convey a good idea of its uniqueness. Pkt. 15 cts., oz. 75 cts.
- 1085 **NUBIAN.** Chocolate self, waved. Color self, purple shade wanting, form fine. Long stems and fours, wings fold over very nicely. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.
- 1088 **ROBERT SYDENHAM.** Rich orange salmon. A little darker than Stirling Stent. This variety was somewhat disappointing as it proved to be more sunproof than any other orange salmon. When shaded and well grown, it is a fine flower and very beautiful. Pkt. 15 cts., oz. 50 cts.
- 1136 **ROSABELLE.** Bright rose, waved. Very large and great form and size. One of the best varieties for exhibition and garden. Pkt. 10 cts., oz. 50 cts.
- 1089 **ROYAL PURPLE.** The best Purple Spencer Sweet Pea. As the name suggests the color is near "Royal" Purple. The color deepens and improves as the flowers age which is a good point in a purple variety. One of the most distinct and successful Spencer introduced. A strong grower and very floriferous, excellent for exhibition and garden. Pkt. 10 cts., oz. 50 cts.
- 1127 **TENNANT SPENCER.** Rosy purple self color. Shows a tendency towards magneta. Of fair Spencer form. We now think Royal Purple should be grown for a good purple Sweet Pea. Pkt. 10 cts., oz. 25 cts.
- 1087 **THE PRESIDENT.** Brilliant rich dazzling orange scarlet. Burns badly but when shaded is most brilliant and is much superior to Thomson Stevenson. Pkt. 10 cts., oz. 50 cts.
- 1129 **VERMILION BRILLIANT.** Scarlet, waved. To date this is one of the best Scarlet Spencer. The color is a rich scarlet but has some crimson in it. It is a vigorous grower for a scarlet and flowers are of good form. A good number of four bloomed sprays are produced. Pkt. 10 cts., oz. 50 cts.
- 1131 **WEDGEWOOD.** A clear azure blue with a little mauve tint in standard. Large flowers and good form for a blue. Pkt. 10 cts., oz. 50 cts.
- 1130 **WHITE SPENCER.** This stock was the first waved white variety. Is conceded to be best. Pkt. 10 cts., oz. 25 cts.
- 1090 **YARRAWA.** Was awarded a Certificate of Merit by The American Sweet Pea Society. It is a direct sport from a summer-flowering Spencer. When grown under glass it attains a height of ten to twelve feet, flowering for several months. From seed sown in early October the plants came into bloom December 20th and bloomed profusely until May. The flowers are exquisitely waved and when well grown average two and one-half inches in diameter. They are produced usually in fours on extra long, strong stems. The color is a bright rose-pink with a clear, creamy base, the wings being slightly lighter in tone. Yarrawa, grown outdoors, begins to flower fully two weeks earlier than the summer Spencers. Pkt. 15 cts., 2 pkts. 25 cts.

"HOLCO" LARGE FLOWERING MIXED.

1077 This is the best possible mixture that can be made from existing Grandiflora or Eckford varieties. It has been our endeavor to secure the best balanced mixture of color for the admirers of the Grandiflora type, and those in search of a good mixture at a low price. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid.

All standard flowers are listed in Seed Book.

SWEET WILLIAM (*Dianthus Barbatus*)
(Hardy Perennials)

Produces splendid effects in beds and borders. Widely grown for the handsome showy heads of brilliant flowers, will last for years.

- 1170 **PINK BEAUTY.** Strikingly brilliant and beautiful. Color salmon-pink. Flowers are borne in massive heads on stems, 18 in. high. For mid-season mass bedding it has no equal. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
- 1171 **HOLBORN GLORY.** Large flowers in beautiful shades. Pkt. 10 cts.
- 1172 **SINGLE WHITE.** Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.
- 1174 **SINGLE MIXED.** Pkt. 5 cts.; $\frac{1}{4}$ oz. 15 cts., oz. 40 cts.
- 1175 **DOUBLE MIXED.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
- 1176 **ANNUAL (Annual-Flowering Sweet William).** A new strain that flowers the first season. Sow early. Finest mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

THUNBERGIA (*Black-Eyed Susan*)
(Hardy Annual)

Very attractive, slender, climbing or trailing plants, neat for baskets, porch boxes, etc. Pure white; black-eyed; sulphur, white-eyed; orange, white-eyed.

- 1180 **MIXED.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

TRITOMA (*Red Hot Poker*)
(Hardy Perennials)

- 1185 Very early-flowering variety; elegant orange-scarlet flowers; 3 ft. Pkt. 15 cts.

Mrs. Louise S. Fitz, Randolph, O.—"All the seeds received of you have done good."

VERBENA
(Hardy Annual)

A very popular bedding plant. For best and quickest results seed should be sown early in the house or hot-bed, and transplanted in May. If sown outdoors in May, it blooms from the end of July on.

MAMMOTH-FLOWERED VARIETIES

	Pkt.		Pkt.
1186 Pink	-----\$0.10	1186 Striped	-----\$0.10
" Purple	----- .10	" White	----- .10
" Scarlet	----- .10	" Blue	----- .10
" Mammoth Mixed.	$\frac{1}{4}$ oz. 50 cts.		----- .10

- 1187 **HELEN WILMOTT.** Large, bright salmon-rose-colored flowers, having a white eye, with small percentage of varied shades. Pkt. 15 cts.

- 1188 **LEMON VERBENA (*Citriodora*).** Every garden should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. Pkt. 10 cts.

- 1190 **GRANDIFLORA MAMMOTH MIXED.** Pkt. 5 cts., oz. 80 cts.

VINCA (*Periwinkle*)
(Hardy Annual)

Very handsome plants about 1 ft. high. Dark, glossy foliage, in flower constantly from June to frost. If sprays be cut and placed in water, all the buds will be developed, making them effective for a week. 1 to $1\frac{1}{2}$ ft.

- 1195 **MIXED COLORS.** Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts.

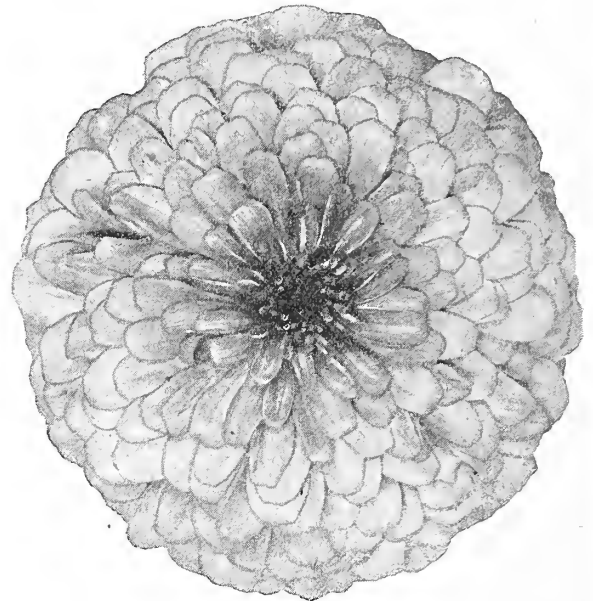
WALLFLOWER (*Cheiranthus*)
(Hardy Perennials)

A class of free-flowering plants which are particularly valuable for bedding. Flowers bloom in spring, borne in long spikes, sweet-scented; a splendid range of colors from bright yellow through shades of red to brown.

- 1210 **SINGLE MIXED.** Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

WILD CUCUMBER (*Echinocystis*)
(Hardy Annual)

- 1215 A very rapid-growing vine with white flowers. Pkt. 5 cts., oz. 15 cts.



GIANT MAMMOTH ZINNIA

ZINNIA (*Youth and Old Age*)
(Hardy Annual)

They are very easily grown and bloom continuously from early summer until frost. These may be sown in the latter part of March in boxes or outdoors in May. If transplanted, it should be done at an early stage.

GIANT MAMMOTH

Our strain of this magnificent giant-flowered type is unsurpassed. The blooms are of immense size, when well grown averaging three and one-half to four and one-half inches in diameter and often three to four inches in depth.

	Pkt.		Pkt.
1230 Giant Golden yellow	-----\$0.10	1230 Giant Flesh-color	-----\$0.10
" Giant Scarlet	----- .10	" Giant Violet	----- .10
" Giant White	----- .10	" Giant Crimson	----- .10

Giant Mixed. All colors. $\frac{1}{4}$ oz. 40 cts.--- .10

- 1231 **CURLED and CRESTED, DOUBLE.** Petals curiously twisted, curled; mixed colors. $1\frac{1}{2}$ ft. Pkt. 10 cts., oz. 60 cts.

- 1233 **DWARF DOUBLE MIXED.** Pkt. 5 cts., oz. 60 cts.

- 1235 **BLACK KNIGHT.** Very odd shade. Pkt. 10 cts.

Bulbs and Roots for Spring Planting—

When ordering, ask for our Leaflet on Outdoor Bulbs Culture



ELEPHANT EARS

CALADIUM ESCULENTUM

Elephant's Ear

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plant about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colors of the dwellings. Leaves often measure 3 to 4 ft. long, 2½ ft. wide.

	Each	Doz.
First-size Bulbs -----	\$0.10	\$1.00
Large-size Bulbs -----	.15	1.50
Mammoth-size Bulbs -----	.20	2.20
Jumbo-size Bulbs -----	.30	3.25

If wanted by mail add for each Bulb postage 3, 4, 5 and 6 cts.

MADERIA VINE (*Climbing Mignonette*)

A beautiful vine, covering a large space in a short time. Protect with litter in this latitude. 5 cts. each, postpaid; 50 cts. per doz., postpaid.

EXCELSIOR
DOUBLE PEARL
TUBEROSES

TUBEROSES

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in Feb. or March in the greenhouse or hotbed; for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

EXCELSIOR DOUBLE PEARL

First size, 5 cts. each, 25 cts. per doz.

CALLAS

WHITE CALLA. This is the ever-popular and well-known. Easy of culture, its wonderfully beautiful pure white blossoms are very desirable as cut-flowers. Its habit of growth makes it a handsome pot-plant. It grows luxuriantly in the open. Strong bulbs, 25 cts. each; 12 for \$2.50, postpaid.

LILY-OF-THE-VALLEY CLUMPS—For Outdoor Planting

Our Lily-of-the-Valley Clumps are extra selected, well grown and, if planted outdoors by the middle of April, will flower splendidly during May. If grown under the proper conditions, these clumps will increase rapidly, and every spring produce a profusion of dainty flowers. Extra-strong clumps. 35 cts. each, \$3.50 per doz.

DASHEENS

Belong to the same family as the Elephant Ear, and resemble them somewhat but grow more upright; leaf is rounder and of a much darker green in color. They like plenty of water but will thrive where it is too dry for the Elephant Ear; and many people prefer them to the caladium for this reason alone. It can be grown on land too damp for ordinary crops. It is a much more rapid grower than the caladium. Try a few bulbs. 20 cts. each; 3 for 50 cts., postpaid.

CINNAMON VINES

From the Oriental land are the most charming of climbers, and will quickly surround your arbor, windows and veranda with a wonderful profusion of lovely vines covered with handsome, glossy heart-shaped leaves and sweet-scented flowers making them all perfectly hardy, thriving everywhere in sun or shade, and once planted will grow a lifetime and be a constant delight to the whole family. They come from China—the land of wonders. No words can describe their beauty and marvelous sweet perfume. No home is complete without these wonderful vines. No one should miss this chance of planting them. They will grow 30 feet in a single season. We offer you genuine Headquarters Stock direct from the largest grower of Cinnamon Vines in the world. Roots will keep perfectly. Plant any time from earliest spring up to July 15. 5 cts. each, 6 for 25 cts., 12 for 50 cts., postpaid.



CINNAMON VINE

LARGE-FLOWERING CANNAS

NEW and LATEST SELECTIONS

YELLOW KING HUMBERT

(Queen Helen)

Four feet green foliage, an orchid-flowering sport of the well known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green with flowers measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. Color of flowers a deep rich yellow heavily spotted and blotched with bright red. Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement rather than a defect. 20 cts. each; 12 for \$2.00. Postpaid.

EUREKA

Four feet, green foliage. White Cannas have not, as a rule, been satisfactory, but Eureka is a splendid white that we believe will appeal to every lover of Cannas. Magnificent large flowers of a clear white—none of the dingy characteristics of the whites of former years. 25 cts. each; 12 for \$2.50, postpaid.

ROSEA GIGANTEA

Four feet, green foliage, rich rose, gigantic size, a prolific bloomer. The large broad petals and the massive heads of bloom invariably create a sensation when seen for the first time. 20 cts. each; 12 for \$2.00, postpaid.

ALLEMANIA. 5 feet green foliage, orchid-flowering, bright scarlet, with broad and irregular yellow border, beautifully mottled and variegated. 10 cts. each; 12 for \$1.00.

ALPHE BOUVIER. 5 feet, green foliage, clear crimson flowers, produced in large clusters. 10 cts. each, 12 for \$1.00.

BRANDYWINE. 3½ feet, bronze-leaved flowers of wine-red, dappled deep crimson petals sometimes edged with gold. 10 cts. each; 12 for \$1.00.

BUTTERCUP. 3 feet, green foliage, the best dwarf yellow flower of pure buttercup-yellow. 10 cts. each; 12 for \$1.00.

CRIMSON BEDDER. 3½ feet, green foliage. Deep red flowers of good quality. 10 cts. each; doz. \$1.00.

DAVID HARUM. 3 feet, bronze-leaved flowers, intense vermilion-scarlet; very prolific and one of the freest bloomers we know of. 15 cts. each; 12 for \$1.50.

EGANDALE. 4 feet, bronze-leaved, flowers currant-red. An early and constant bloomer. 10 cts. each; 12 for \$1.00.

GOLDEN GATE. 4 feet, green foliage. The flowers open almost pure gold but soon become richly rayed with orange crimson and apricot. 20 cts. each; 12 for \$2.00.

HUNGARIA. 3½ feet, green foliage, large flowers, color a pure La France pink with satiny sheen. 10 cts. each; 12 for \$1.00.

INDIANA. 6 feet, green foliage, Orchid-flower variety with rich golden flowers often 7 inches across. 10 cts. each; 12 for \$1.00.

CITY OF PORTLAND

3½ feet. Glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are produced in greatest profusion. It blooms continuously, forming two and three bloom-heads on each stalk, which bud and bloom in succession, so each plant is showing flowers all the time. This is considered the finest salmon-pink Canna in existence. A splendid keeper. 25 cts. each; 12 for \$2.50, postpaid.

FIRE BIRD

Three and one-half feet, green foliage. The best scarlet green-leaved variety in existence. The flowers are borne in immense trusses on strong stalks well above the leaves. They are of splendid form. The petals measure 2½ inches across and the color is a clear glistening scarlet without any streaks, spots or blotches. 25 cts. each; 12 for \$2.50, postpaid.

JANE ADDAMS

Four and one-half feet, green foliage. True, rich buttercup-yellow (richer than Buttercup Canna), with a suggestion of red in the throat. The buds are dark maroon, very pretty, and they blend artistically in color with the bright yellow blooms. 25 cts. each; 12 for \$2.50, postpaid.

KING HUMBERT. 4 feet, Bronze-leaved, the most popular of all Cannas; still in the lead and gathering popularity each year. Color orange-scarlet, shaded crimson. 10 cts. each; 12 for \$1.00.

MADAME CROZY. 3½ feet, green foliage. Flowers brilliant vermilion-scarlet, with narrow edge of bright golden yellow. 15 cts. each, 12 for \$2.00.

MRS. ALFRED F. CONARD. 4 feet, green foliage, beautiful salmon-pink flowers of great size and wonderful substance freely produced in large clusters. 25 cts. each; 12 for \$2.00.

METEROR. 5 feet, green foliage, deep dazzling crimson flowers, produced in mammoth clusters. 20 cts. each; doz. \$2.00.

ORANGE-BEDDER. 4 feet, green foliage. This dazzling bright orange-bedder suffused with scarlet blooms very freely and makes an ideal bedder. 20 cts. each; 12 for \$2.00.

PANAMA. 3 feet, green foliage, color rich orange-red with a well-defined border of bright golden yellow. Flowers of large size. 20 cts. each; 12 for \$2.00.

PENNSYLVANIA. 6 feet, green foliage, large orchid-flowered scarlet, overlaid with orange. 10 cts. each; 12 for \$1.00.

RICHARD WALLACE. 4 feet, green foliage, canary-yellow flowers. 10 cts. each; 12 for \$1.00.

VENUS. 4 feet, green foliage, a gay rosy pink with a well defined border of creamy yellow. 15 cts. each; 12 for \$1.50.

WINTZER'S COLOSSAL. 5 feet, green foliage. Without a doubt the largest-flowered Canna yet produced. Flowers of vivid scarlet, sometimes measuring 8 inches across. 25 cts. each; 12 for \$2.50.

"HOLCO" PRIZE DAHLIAS

The choicest of their respective classes.

Our Dahlia roots are splendid, strong field grown clumps, plump, well ripened.

Dahlias require a light, open situation, a well-worked, moderately rich soil, deep and frequent cultivation. If the soil is heavy, use plenty of coal ashes. Plant any time from the first of May until the end of June, covering the tuber with 5 or 6 in. of soil and cutting out all but one or two stalks. For exhibition flowers thin freely.

DECORATIVE DAHLIAS

J. M. GOODRICH. Gigantic New Decorative Seedling. For all purposes, without exception, this is the best Decorative we have had the pleasure of introducing. It has size and beauty, exceptionally long stems and is free flowering. The coloring is entirely new and wins instant favor. A beautiful salmon-pink, each petal effectively tipped primrose-yellow. The nearest to an ideal Dahlia we have been able to introduce. 50 cts. each.

MINA BURGLE. A seedling named and originated by Mr. Burtle, a California Dahlia lover. This new introduction is one of the finest varieties to date; a champion variety, producing flowers of gigantic size; and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type, and borne upon long, wiry stems, well above the foliage. A variety which attracts universal attention. 50 cts. each.

CLIFFORD W. BRUTON. A large canary-yellow. 15 cts. each.

DELICE. The finest and brightest pink Decorative Dahlia in existence. Flowers are of good size, standing well above the foliage. A charming bright pink, suffused with lavender-pink. One of the best known cut-flower varieties in the Dahlia world. 25 cts. each.

SHOW DAHLIAS

MAUD ADAMS. Ideal New Show Dahlia. This wonderful introduction is unsurpassed in quality in every respect; in reality a model of perfection. We cannot speak too highly of this variety. The color is a pure, snowy white, very effectively overlaid clear delicate pink. Undoubtedly the finest of our this season's introductions and in our estimation one of the finest of the Show type. 50 cts. each.

A. D. LIVONI. Beautiful soft pink. Well formed flowers with long stems. Perfectly round, ball-shaped flowers, each petal being very tightly quilled and arranged in exact irregularity. Free flowering. 15 cts. each.

ACQUISITION. An exquisite shade of deep lilac. Very large with cup-like petals. Especially good for cut-flower purposes. 20 cents each.

ARABELLA. Sulphur-yellow, tipped pinkish white. 15 cts. each.

**CACTUS DAHLIAS**

ALIGHT. (Incurved). Gigantic flowers of a beautiful orange-scarlet color. Petals very long and exceedingly narrow. This variety can be highly recommended as a desirable form. 25 cts. each.

EUREKA. (Straight). This variety has all the good qualities of the Dahlia, being properly named. Color, very deep purple. Petals are long, straight and tightly quilled. 25 cts. each.

HARBOR LIGHT. (Straight.) A vivid orange, overlaid flame color. 15 cts. each.

HENRI CAYEUX. (Straight.) A variety of immense size and perfect form. Color, an old gold, shading to golden yellow; plants very vigorous. 25 cts. each.

RUTH FORBES. (Hybrid). The massive, clear pink flowers, composed of heavy petals, are often accompanied by stems measuring 2 feet in length; extra stout and excel any other variety for large vase purposes. 25 cts.

SNOWDON. (Incurved.) Purest white. 50 cents.

GENERAL BULLER. (Straight). A rich, velvety crimson-maroon, tipped white. Occasionally a solid crimson flower on same stalk. One of the most attractive Fancy Cactus varieties. 15 cts.

THE PEONY-FLOWERED DAHLIAS

GERMANIA. Holland Peony flowered Dahlia. Bright glowing crimson. 20 cts. each.

QUEEN EMMA. Fragrant Peony-flowered Dahlia. A delightful sort that appears almost artificial. It is a charming shade of Hollyhock pink, the inner petals banded with gold. The flowers are sensational, possessing grace, simplicity and beauty, which makes this variety exceedingly fashionable. 25 cts. each.

QUEEN WILHELMINA. Giant Holland Peony-flowered Dahlia. An immense, fluffy flower of pure glistening white, showing its beautiful golden yellow center very prominently, which lends an additional charm to this most beautiful flower. 25 cts. each.

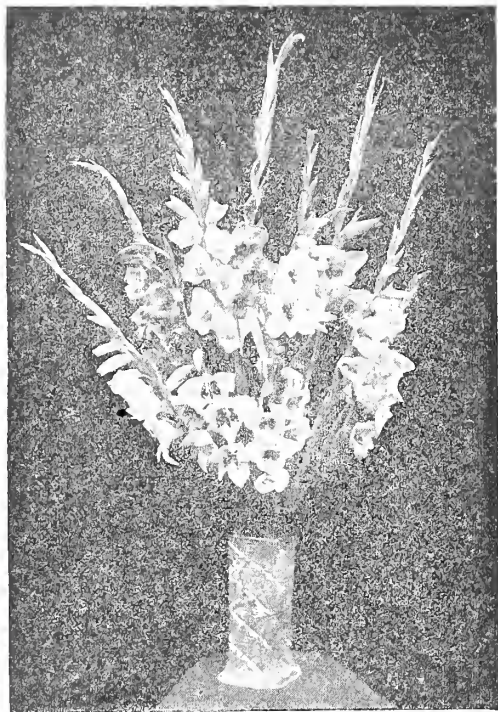
Try "Mina Burtle" Dahlia, you will be pleased.

Sure to Flower

GLADIOLI

**Plant Gladiolus Bulbs—
They Bloom for Everybody**

Gladiolus are the most attractive and useful for cut flowers of all summer-flowering bulbs. Use any good soil, hoe and loosen, keep down the weeds, and with ordinary rainfalls they will flower by July because their sturdy growth is assured from the stored-up strength in the bulbs. A succession of blooms may be had from July to October by making plantings in April, May and early June, 10 days apart. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high.



AMERICAN GLADIOLI

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. Price, each 15 cts., doz. \$1.50, postpaid; per 100 \$9.00.

SCHWABEN

A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 15 cts. each, \$1.50 per doz., postpaid; \$10.00 per 100.

NIAGARA

Flowers $4\frac{1}{2}$ in. across, cream shade, blending to canary yellow on lower petals. Throat is faintly striped with carmine, lower ends of petals are also blushed with carmine. Each 10 cts., doz. \$1.00, postpaid; per 100 \$7.00.

MRS. FRANCIS KING

A striking shade of light scarlet or flame color; one of the most effective both in the border and when cut. Each 5 cts., doz. 40 cts., postpaid; 100 \$2.00.

FIRE KING

Long graceful spike showing half a dozen immense blooms open at the same time. Color, intense scarlet. More brilliant than any other scarlet variety. A perfect grand variety. 15 cts. each, doz. \$1.50, postpaid; per 100 \$15.00.

AMERICA. Lavender pink. A fine cut flower of strong growth. Each 5 cts., doz. 40 cts., postpaid; 100 \$2.00.

BARON HULOT (Blue Jay). Rich Indigo. Each 6 cts., doz. 60 cts., postpaid; 100 \$4.00.

EMPRESS OF INDIA. Rich velvety dark red with deeper shadings; one of the richest colored varieties. Each 7 cts., doz. 75 cts., postpaid; 100 \$5.00.

GLORY (Ruffled). Creamy white, crimson stripe in center of each petal; ends of petals ruffled. Each 10 cts., doz. \$1.00, postpaid; 100 \$6.00.

"HOLCO" RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page. Only refined and exquisite colors. Doz. 50 cts., postpaid; 100 for \$2.85, per 1,000 \$23.00.

EUROPE. Pure white; best white we know. Each 5 cts., doz. 50 cts., postpaid; 100 \$3.75.

PANAMA. Finest pink gladiolus. Each 10 cts., doz. \$1.00, postpaid; 100 \$7.50.

PRINCEPS. Rich crimson, with white blotches. Each 7 cts., doz. 75 cts., postpaid; 100 \$5.00.

WAR. Deep blood-red, shaded crimson-black. Each 15 cts., doz. \$1.50, postpaid; 100 \$12.00.

EXTRA FINE MIXED

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds are added. This insures a wide range of colors, shades and types. Doz. 30 cts., postpaid; 100 for \$2.00, 1,000 for \$18.00.

"HOLCO" WILD FLOWER GARDEN MIXTURE

Easily Grown, Quick Results, Varied and Profuse Display of Flowers Throughout the Season

A mixture of the choicest flower seeds, mostly annuals, but included are perennials, everlastings, to be sown haphazard way. The results are both surprising and charming and on account of the various seasons of bloom, flowers can be had from early summer till frost, many of which will be fine for cutting. Packet, 10 cts.; ounce, 20 cts.; quarter pound, 60 cts.; pound, \$2.00; 2 pounds, \$3.50, postpaid.

HYBRID-TEA ROSES — Hardy Everblooming

Our Roses are exceptionally strong and worth ten times more than Roses grown on marshy, wet soil, such as are generally offered at a low price. This class of Roses are continuous bloomers the entire summer, but are not entirely hardy in this section, and should be protected during the winter months with a covering of straw or any handy material. To obtain the best results, in addition to the covering of the tops, protect the roots with 5 to 6 in. of well-rotted manure. This will give added strength to the plants, and additional blooms the following summer.

The following varieties have been selected with a view to giving the amateur Rose enthusiast an opportunity to get the best varieties that will give a goodly share of blooms throughout the summer and autumn months, as well as to meet the requirements of those wishing the best varieties to select from, and being limited as to the amount they can spend.

When ordering, ask for our Leaflet on Rose Culture

LOS ANGELES

This magnificent distinctly New American Rose "Los Angeles" is one of the finest Roses ever introduced. "Los Angeles" is surpassingly brilliant in color, beautiful in form and exceedingly free in bloom. The color is entirely new in Roses, flame pink toned with coral and shaded with transparent gold at base of the petals. The flowers are produced in almost unbroken succession from early summer to late fall. The plant is a vigorous grower with many long stems, each one crowned with superb blooms. Strong two-year old plants which should give a full crop of flowers this season. You should include "Los Angeles" in your collection. Price, \$1.50.

Prices: Any of the following in strong two-year-old plants, 75 cts. each, \$7.50 per dozen

ARTHUR GOODWIN. Color of flower is a beautiful rich-colored coppery-orange.

GENERAL MacARTHUR. A flower of good double form, of rich crimson-scarlet. Best all-around rose.

JONKHEER J. L. MOCK. The flowers are of a deep pink and outside of petals silvery rose-white.

KILLARNEY BRILLIANT. Color bright, sparkling pink, shading to white. Very fragrant, hardy and extremely free-flowering.

MRS. AARON WARD. Color is a distinct shade of Indian-yellow which is more decided in dry than wet weather.

RADIANCE. An ideal bedding Rose, producing an abundance of large, brilliant carmine-pink flowers, with salmon-pink and yellow shadings at the base of the petals; the plant is of free, vigorous, upright habit.

NATIONAL EMBLEM

Beautiful color; believe it to be the most perfect of all Garden Roses. In color it is a dark crimson, overlaid velvety crimson, shading to vermillion at the edges; the buds are long and pointed, the flowers quite full, every one coming perfect. are produced with marvelous freedom right through the season. \$1.00 each.

GOLDEN EMBLEM

A gorgeous deep golden yellow Rose. Flowers are extra large perfect blooms. It is so perpetual flowering that as a garden and bedding Rose it is without a rival. Its habit of growth is ideal. Free and branching, with holly like glossy green foliage delightfully scented. Strong two-year-old plants. Price, \$3.00.

CAROLINE TESTOUT. Bright satiny rose, center a trifle brighter.

KAISERIN AUGUSTA VICTORIA. Color is a soft pearly-white, tinted with lemon in the center.

LADY ASHTOWN. Color a soft rose, shading to yellow.

DUCHESS OF WELLINGTON. Intense saffron-yellow stained with deep crimson.

LYON. Shrimp-pink at end of petals, center coral-red or salmon shaded with chrome-yellow; making a most distinct and charming combination. Flowers large and full; very fragrant.

HOOSIER BEAUTY. Beautiful, well-shaped, long buds and large, full, perfect flowers of an intense, rich, dazzling, crimson-scarlet and deliciously fragrant. The plant is of vigorous growth, and is conceded to be one of the best Roses of its color.

THE "BEST" HARDY GARDEN HYBRID-PERPETUAL ROSES

The plants offered are unquestionably the best that can be selected in the Hybrid-Perpetual class. Exceptionally heavy two-year-old stock, which will, under fair conditions, give a full crop of flowers this season; and while their main crop is produced in June, they frequently produce fine flowers throughout the summer and autumn.

LUDWIG MOLLER OR YELLOW FRAU KARL DRUSCHKI. This is the wonderful double light Amber Yellow Rose. It has the good qualities of Frau Karl Druschki. Vigorous grower, free bloomer. A great beauty. Strong two-year-old plants. Price \$1.00.

Prices: Any of the following in strong two-year-old plants, 60 cts. each, \$6.00 per dozen

CAPTAIN CHRISTY. Delicate, flesh-tinted white; a large, full flower of good form.

FRAU KARL DRUSCHKI. This is the ideal hardy white Rose, pure in color and perfect in form.

GEORGE ARENDS, or Pink Frau Karl Druschki. A beautiful pink variety; different in color from any other Rose; a free bloomer and one of the best.

PRINCE CAMILLE De ROHN. Deep crimson, maroon; a favorite and one of the best Roses in

cultivation; does well everywhere. Ranks very high. Very dark.

MRS. JOHN LAING. Soft pink, of beautiful form; exceedingly fragrant and remarkably free-flowering; always does well and stands very close to the top among fine Roses.

PAUL NEYRON. Dark rose, of enormous size.

ULRICH BRUNNER. Bright cherry-red; flowers large and full; a good strong grower and always does well.

Every Rose Garden should have one or more of the new American Rose "Los Angeles" offered above

HARDY CLIMBING ROSES

The following varieties of Rambler Roses, while few in number, might easily be considered as being among the very best. It is our aim to list only those of distinct merit. All Climbing Roses are two and three-year-old plants, and must not be confounded with inferior stock offered at cheap prices.

AVIATEUR BLERIOT (The New Yellow Rambler) Bears large clusters, full double flowers, color deepens at the center. Strong grower. Price 60 cts.

CLIMBING AMERICAN BEAUTY. A fine new, free-blooming climber of excellent habit, strong and vigorous in growth; rosy crimson flowers, produces freely in June; very fragrant; a fine Rose. Strong two-year old plants 60 cts.

CRIMSON RAMBLER. This favorite is well-known; one of the first introduced; beautiful crimson; flowers borne in huge clusters. Strong two-year-old plants 60 cts.

DOROTHY PERKINS. A splendid climber; bright, glossy foliage that always looks healthy, and beautiful clusters of pink flowers. It is highly recommended for general planting. Strong two-year old plants 60 cts.

HARDY VINES AND SHRUBS

When ordering, ask for our Culture Leaflet on Hardy Climber

AMPELOPSIS VEITCHII (*Boston Ivy*)

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 ft. in 2 or 3 years; clings to stones, bricks or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. Extra strong plants, each 35 cts., per doz. \$3.50.

ARISTOLOCHIA SIPHO (*Dutchman's Pipe*)

A native species of climbing habit and rapid growth, with magnificent light-green foliage 10 to 12 in. in diameter, and curious, pipe-shaped, yellowish-brown flowers. Each 60 cts., per doz. \$6.00.

CLEMATIS PANICULATA (*Small-Flowering Clematis*)

This handsome, hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber. The flowers appear in the greatest profusion during August, and continue until late in the fall, are white in color and most deliciously fragrant. The plant succeeds in almost any position. Extra strong plants, each 50 cts., per doz. \$5.00.

HONEYSUCKLE

HALLIANA (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. Extra-selected plants. Each 50 cts., per doz. \$5.00.

HYDRANGEA

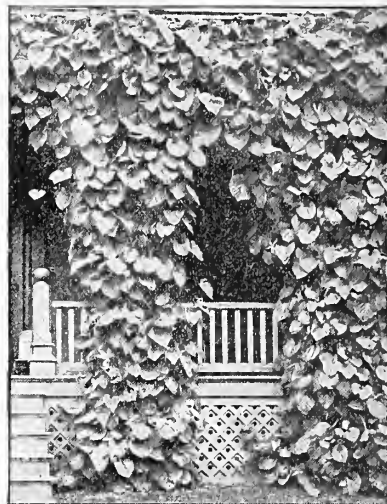
PANICULATA GRANDIFLORA. One of the most popular shrubs in cultivation, blooming at a time when few other shrubs are in flower. The immense panicles of pure white flowers, which appear in August, turn to a delicate pink, until late in the autumn. Spikes of flowers have been known to measure 12 in. long by 22 in. in circumference. Extra strong plants, 4 to 5 branches. Each 35 cts., per doz. \$3.50.

HEDGE PLANTS

Early spring and autumn are favorable seasons for planting hedges. The plants are heavy and bulky for shipment by mail; in fact it is safe to ship hedge plants by freight to most points, as they carry well and the cost of transportation is much less than by express.

CALIFORNIA PRIVET. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical shape naturally. Plant 12 in. apart.

Height	Doz.	100	1000
1-yr. old, 18 to 24 in., 3 to 4 br.	Doz.	\$0.75	\$3.50 \$30.00
2-yr.-old, 24 to 30 in., 5 to 8 br.	Doz.	1.00	5.00 42.00
2-yr.-old, 30 to 36 in., 8 to 10 br.	Doz.	1.25	6.50 52.50



ARISTOLOCHIA SIPHO
(Dutchman's Pipe)

LILACS (*Syringa*)

CHARLES X. A strong, rapid-growing variety, with large, shining leaves; trusses large, reddish-purple.

MAD. LEMOINE. Large panicles of pure white, double flowers. A splendid sort. Each, 60 cts., per doz. \$6.00.

SPIRAEA

ANTHONY WATERER. A fine new dwarf Spiraea with dark crimson flowers. One of the finest shrubs of recent years. Each 35 cts., per doz. \$3.50.

VAN HOUTTEI (Bridal Wreath). Without doubt the finest of Spiraeas. At the flowering season in May and early June, the plant is covered with a mass of white flowers, presenting a beautiful appearance. Each 35 cts., per doz. \$3.50.

BERBERIS THUNBERGII. A pretty species of dwarf habit; small foliage, changing to a beautiful coppery red in autumn. Showy orange-yellow flowers in May, and succeeded by bright red fruit; very hardy, and the best low-growing hedge plant. Also valuable to grow as a shrub. Plant 12 to 15 in. apart.

1 to 1½ ft.	Doz.	\$1.75, 100, \$12.50
1½ to 2 ft.	Doz.	2.00, 100 15.00
2 to 2½ ft.	Doz.	4.00, 100 27.50

When ordering, ask for our Leaflet on Evergreen Trees and Shrub Culture

Horticultural Implements and Garden Requisites

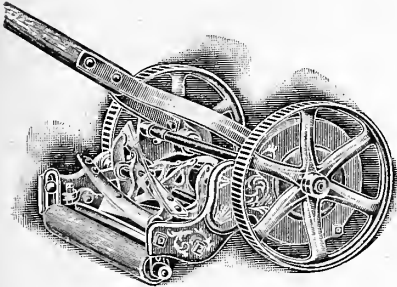
COLDWELL SELF-ADJUSTING BALL-BEARING LAWN MOWERS

DOUBLE CUTTING BLADE—LIGHT RUNNING—ALWAYS SHARP — NOISELESS — DURABLE — CRUCIBLE STEEL.

We guarantee every Genuine Coldwell Mower.
Will replace, free of charge, all defective parts.

While the Coldwell is especially adapted to cutting fine lawns, its low wheel base adapts it to going over lawns too rough for most mowers. Its compound triple gear permits of the maximum strength with the minimum weight. These gears are entirely enclosed so that no dirt or cut grass can get into the pinions and clog them. It has a 10-in. wheel, 4 blades, steel, oil-tempered; lower blade is double and is also steel, oil-tempered. The Coldwell will cut grass 6 in. high, will not jump, as many low-priced machines do. Will outlast any mower.

Prices, 14-in. \$14.00; 16-in. \$15.00; 18-in. \$16.00, 20-in. \$18.00.



COLDWELL LAWN MOWER

SUBURBAN MOWER Ball Bearing

14-in. -----	\$7.00
16-in. -----	\$7.25
18-in. -----	\$7.75

"HOLCO" MOWER High Wheel; Ball Bearing

14-in. -----	\$5.25
16-in. -----	5.50
18-in. -----	6.00

Motor or Pony Mowers price on application.
We carry in stock Mowers from \$3.75 and up.



"HOLCO" NON-KINKABLE

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with hose couplings if advised when ordering. 1/2-in. and 3/4-in.

Per ft. 16 cts. and 18 cts. "Standard," good quality, per ft. 12 cts.

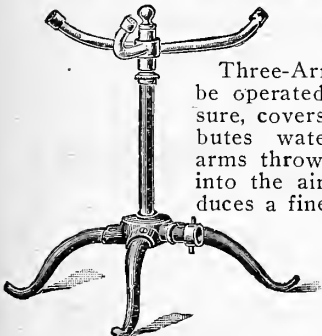
JUSTRITE SPRAY NOZZLE



HOSE NOZZLES

3/4-in. Hose. Can be regulated to give three different streams.
Each 60 cts. and 75 cts. Parcel Post add 5 cts.

PRESTON SPRINKLER



Three-Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height 1 ft.

Each \$1.75

Parcel Post add 10c.



PERFECT CLINCHER MENDER

HOSE MENDERS

Perfect Clincher

1/2-inch or 3/4-inch.

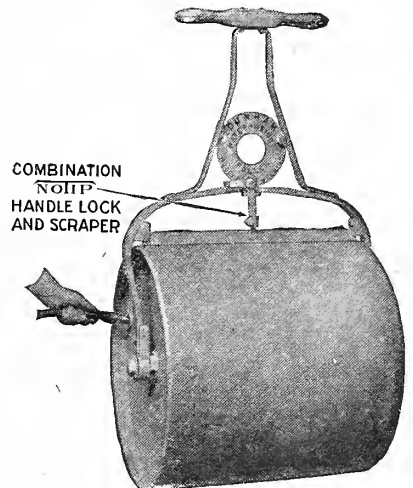
Each 15 cts., per doz. \$1.25.

Parcel Post, per doz., add 5 cts.

LATTICE TRELLIS

Made of wood and painted green.

6 ft. \$1.50, 8 ft. \$1.75, 10 ft. \$2.00, 12 ft. \$2.25. Larger sizes to order.



COMBINATION
NO. 1
HANDLE LOCK
AND SCRAPER

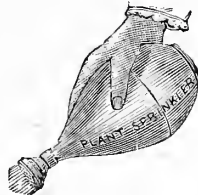
DUNHAM WATER BALLAST ROLLERS

Prices and Sizes on Application.

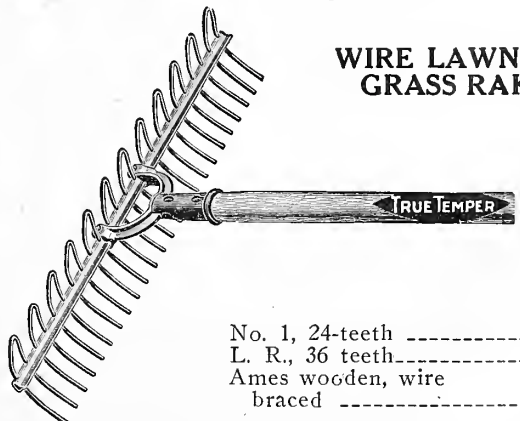
RUBBER PLANT SPRINKLERS

Straight Neck

No. 1, Large size -----	\$1.25
No. 2, Medium size -----	1.00
No. 4, Small size -----	.75
Parcel Post add -----	.05



WIRE LAWN OR GRASS RAKE



No. 1, 24-teeth -----	\$.75
L. R., 36 teeth -----	1.25
Ames wooden, wire braced -----	.50



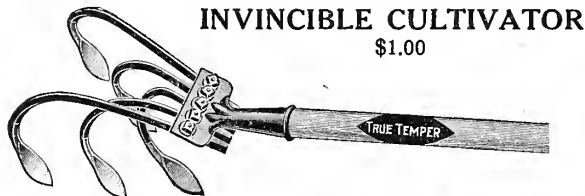
Steel Garden Rakes

Temper Straight	\$.60
S. B. 14 Straight .....	.85
B 13 Bow	1.00
No. 14 Straight "Heavy"	1.35



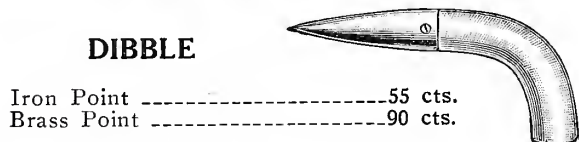
HOE AND RAKE (Combined)

4 prong steel	75 cts.
6 prong steel	85 cts.



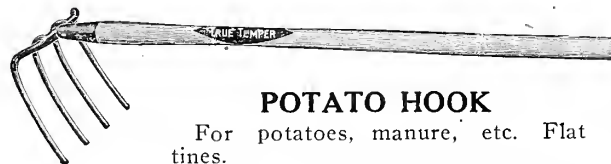
INVINCIBLE CULTIVATOR

\$1.00



DIBBLE

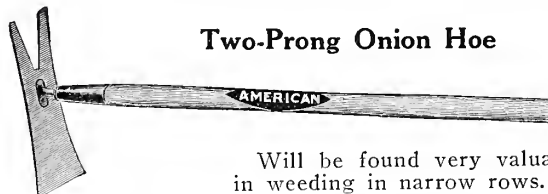
Iron Point	55 cts.
Brass Point	90 cts.



POTATO HOOK

For potatoes, manure, etc. Flat tines.

4 B. H. D. 4 tine, \$1.00 and \$1.25



Two-Prong Onion Hoe

Will be found very valuable in weeding in narrow rows.

No. 2P Price	65 cts.
No. 2PF Price	85 cts.



SQUARE HOES (Solid Shank)

G. O. X. 6-7 inch	65 to 90 cts.
L. E. Self-Sharpening	\$1 to \$1.25



STEEL WARREN HOE

W7 \$1.00



STEEL SPADING FORKS

OLDX 4 tine, \$1.25; 4 tine English, \$2.25



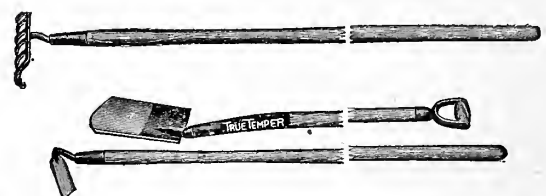
STEEL SPADES

Garden, \$1.00; Ames, \$1.75



STEEL SHOVELS (Long Handle)

Garden, Round Point	\$1.50
Ames, Round Point	1.75



Steel Garden Sets (For Ladies and Children)

No. 1. Ladies' size, true temper	\$1.50
No. 2. Medium size	1.00
No. 3. Child size .....	.25



Asparagus Knives and Weed Digger

V-Shape.....Each 50 cts.

"HOLCO" MOLE TRAPS

Each \$1.00

How to Catch Moles

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.



All Prices Subject to Market Changes.

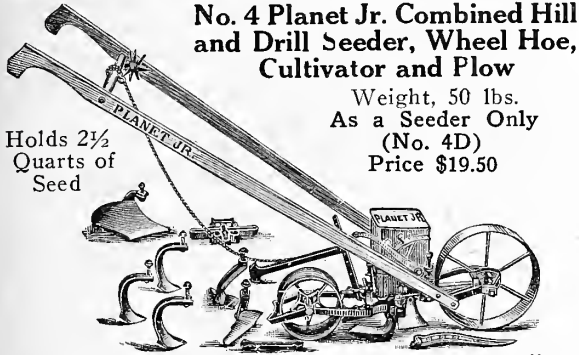
We Carry the Largest Assortment of Garden Tools to be Found Anywhere



Planet Jr. Garden Tools



Space will not permit showing and describing here all of the Planet Jr. Tools, but we will send a beautifully illustrated Catalog free to any who may desire it. Planet Jr. goods are different from all others—the best on the market.



No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Weight, 50 lbs.
As a Seeder Only
(No. 4D)
Price \$19.50

Holds $2\frac{1}{2}$ Quarts of Seed

Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years. Thousands have been sold in this and in many foreign countries.



No. 25 Planet Jr. Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

Weight packed,
61 lbs.

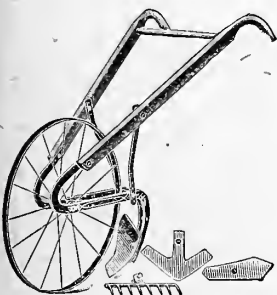
Price \$23.00

With this tool; two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. Holds $2\frac{1}{2}$ Quarts of Seed.

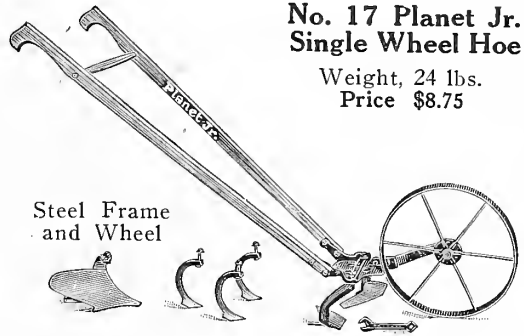
"Holco" Cultivator

No. 1. Price \$3.85

A perfectly balanced plow, as the weight is directly over the pivotal point.



Handles are adjustable in height to suit operator. Open shovel shank permits any style shovel being used and any pitch desired. Wheels 24 inch. Packed in one bundle with three shovels, rake and wrench. Weight 21 lbs.



No. 17 Planet Jr. Single Wheel Hoe

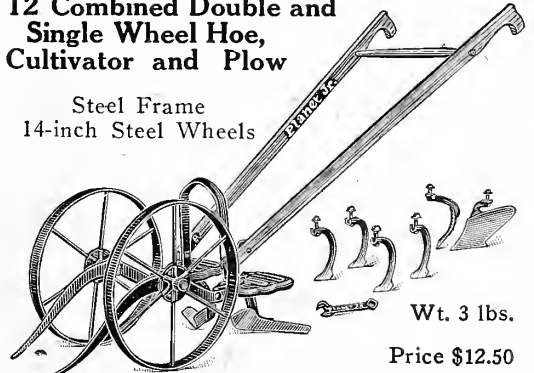
Weight, 24 lbs.
Price \$8.75

Steel Frame and Wheel

The pair of 6-inch hoes, three cultivator teeth and plow which go with it, are all the finest of their kind. Other attachments can be added as needed.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Steel Frame
14-inch Steel Wheels



Wt. 3 lbs.

Price \$12.50

The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

Good Little Cultivators To Push Along

"Holco" Skaboo

Price \$4.90



A complete 5 shovel cultivator with detachable double point reversible shovels. Adjustable from 10 to 14 inches in cutting width. A garden tool that will please the most exacting. Completely bundled. Weight 21 lbs.

THE HOLMES - LETHERMAN

Holco
QUALITY



"HOLCO" STEEL TROWELS

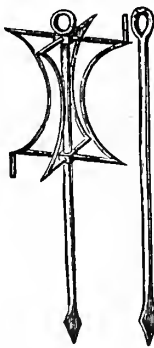
These are somewhat long in blade and handle, making a very practical tool. Will last a lifetime.

Each 75 cts. Other styles and sizes 25 cts, 35 cts. to 50 cts.



CLEVES' ANGLE TROWEL

For getting dandelion, plantain and other weeds out of the lawn and transplanting. Each 25 cts. to 50 cts.



GARDEN REELS \$2.75

HAND WEEDER

40 cts.

Will work close to delicate plants, such as celery, onions, etc.



EXCELSIOR WEEDER

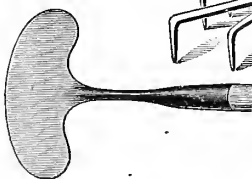


20 cts.

EDGING KNIVES

With 4 ft. Handle

For trimming edges of paths.
American, No. 40.....\$1.00
English Pattern85



MAGIC WEEDER

35 cts.

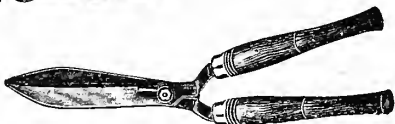


EUREKA WEEDING FORK

40 cts.



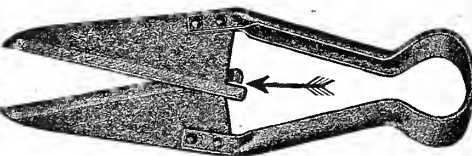
HEDGE SHEARS



No. 107 5½ inch (Ladies)\$1.35
No. 101 8 inch 1.85
No. 101 10 inch 2.00

GRASS SHEARS

All kinds and sizes
75 cts. to \$1.50



SICKLE

All kinds and sizes

Village Blacksmith\$.75
Clearcut65
Little Giant50



SEED COMPANY, CANTON, O.

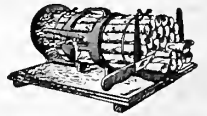
"Jimmy" Weeder

25 cts.



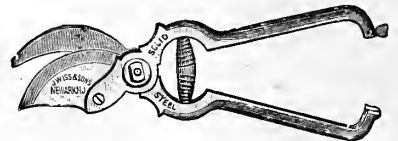
ACME ASPARAGUS BUNCHER

No. 1 makes bunch 3 to 3½ in. diam.
No. 2 makes bunch 4 to 4½ in. diam.
Length, adjustable, 7 to 9 in. Each \$3.



"HOLCO" PRUNING SHEARS

Our Pruning Shears are procured from the most reliable makers in America and all are fully guaranteed.



No.	WISS PRUNING SHEARS.	Each
109	Wiss, 8 in.	\$3.00
50	Pexto American, 9 in.	1.20
65	Pexto American, 9 in.	1.80
70	Pexto American, 9 in.	1.85
R65	Pexto American, 9 in.	2.00
R70	Pexto American, 9 in.	2.25
14	Ladies, 6 in.	1.50

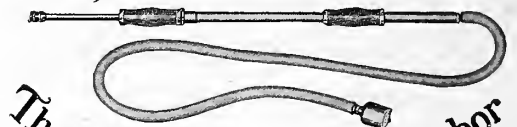


"HOLCO" DUST GUN

Price \$2.50

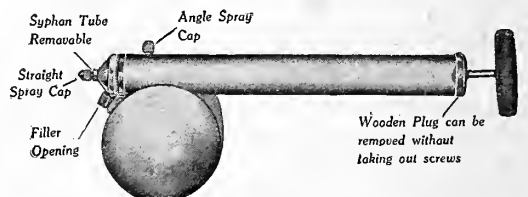
The Dust Gun is light and simple to operate; a child can use it effectively. All that is necessary is to place the dusting material in the gun and blow a cloud of dust over the plants.

It's Double Acting



The Same Spray With Half The Labor

\$4.75



"HOLCO" CONTINUOUS SPRAYER

New combination Automizer and Compressed Air Sprayer that sprays continuously and in any direction. Ball valves. 5 lbs.

Galvanized, \$1.25; Brass, \$2.00; Tin, continuous, \$1.00; Tin, 50 cts., 75 cts., \$1.25.

Our Garden Tools and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

All Prices subject to Market changes without notice.

We carry in stock many new styles of Garden Tools. Owing to lack of space, we had to omit many.

Flower Pots, Saucers, Plant Tubs, Etc.

Earthen
Flower
Pots

These cannot be
sent by Parcel
Post.

Height and Width Inside	Each	Doz.	100	1,000
2 in.	\$0.01	\$0.10	\$.75	\$6.75
2½ in. ....	.02	.14	1.00	9.00
3 in. ....	.02	.18	1.30	11.70
4 in. ....	.03	.27	2.00	18.00
4½ in. ....	.04	.36	2.70	24.30
5 in. ....	.05	.48	3.60	32.40
6 in. ....	.08	.72	5.40	48.60
7 in. ....	.12	1.20	9.00	81.00
8 in. ....	.17	1.72	13.00	117.00
9 in. ....	.26	2.64	20.00	
10 in. ....	.34	3.58	27.00	
11 in. ....	.52	5.28	40.00	
12 in. ....	.78	7.26	55.00	
14 in.	1.20	11.88	90.00	

Earthenware Saucers

These cannot be sent by Parcel Post.

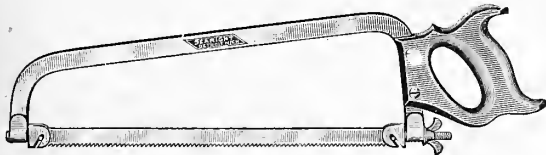
	Each	Doz.	100
4 in.	\$0.02	\$0.19	\$1.50
5 in. ....	.03	.27	2.00
6 in. ....	.04	.40	3.00
7 in. ....	.05	.53	4.00
8 in. ....	.08	.73	5.50
9 in. ....	.09	1.00	7.50
10 in. ....	.12	1.19	9.00
11 in. ....	.14	1.36	11.00
12 in. ....	.17	1.79	13.50
14 in. ....	.28	2.97	22.50

GLAZING POINTS

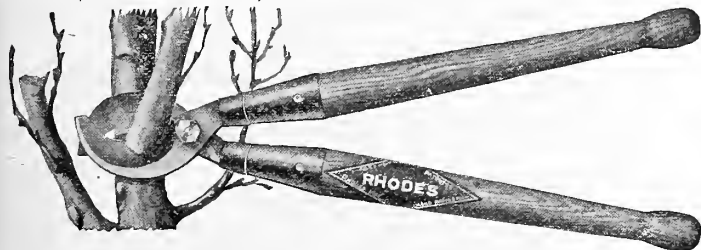
PEERLESS. (Improved Van Reyper.) Made in three sizes, viz: No. 1 for small single thick glass; No. 2, for medium double thick glass; No. 2½, for large double thick and skylight glass. Price, per 1000, 75 cts., postpaid, \$85 cts.

SIEBERT'S (Zinc Brads). 1000 to 1200 to the pound, sizes skylight glass. Price, per 1000, 75 cts., postpaid, 85 cts.

"HOLCO" PRUNING SWIVEL SAW



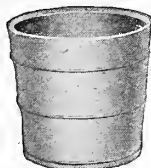
Very handy to use where the limbs are close together. The blade is adjustable to cut from any angle; it saves the trouble so often found when using ordinary Saws.
Each \$1.75. Extra blades, each 85 cts.



Prices subject to change.

We carry full line for "Greenhouses" and Florists.

"Holco" Plant Tubs



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust.

No.	Inside Diam.	Each
No. 6.....	11 in.	\$1.80
No. 7.....	12 in.	2.20
No. 8.....	13 in.	2.50
No. 9.....	14 in.	2.80
No. 10.....	15 in.	3.15
No. 11.....	16 in.	3.60

Square Plant Stakes

These are painted green and nicely tapered and finished.

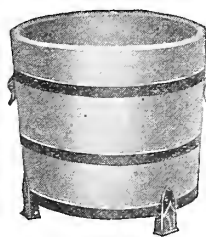
	Each	Doz.	100
1½ ft.	\$0.03	\$0.25	\$ 1.50
2 ft. ....	.04	.35	2.25
2½ ft. ....	.05	.50	3.50
3 ft. ....	.07	.75	5.50
3½ ft. ....	.08	.85	6.50
4 ft. ....	.10	1.00	7.50
5 ft. ....	.12	1.35	10.00
6 ft. ....	.15	1.60	12.00

Cane Stakes (Natural)

Can be cut in lengths to suit.

Japanese, 5 to 6 ft., doz. 25 cts., 100
\$1.25, 200 \$2.50, 1000 \$9.00.

Cedar Plant Tubs



Equipped with
Strong Iron
Hoops

These are made by hand of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.

No.	Outside Diam.	Black Iron Hoop
No. 0.....	27 in.	\$10.50
No. 1.....	25 in.	9.25
No. 2.....	23 in.	8.25
No. 3.....	21 in.	6.75
No. 4.....	19½ in.	5.50
No. 5.....	18 in.	4.90
No. 6.....	16½ in.	3.90
No. 7.....	15 in.	3.45
No. 8.....	12 in.	3.00

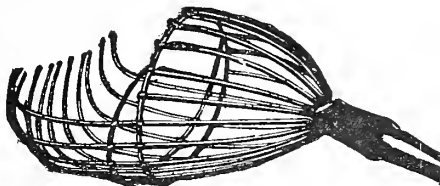
Painted Pot Labels

	100	500	1000
4 inch	\$0.18	\$0.70	\$1.25
4½ inch .....	.20	.80	1.50
5 inch .....	.25	.90	1.65
6 inch .....	.30	1.00	1.90
8 inch .....	.75	2.90	5.50
10 inch	1.00	3.75	7.00
12 inch	1.10	4.50	8.25
18 inch, for field use.....	3.50		32.50
3½-inch Notched, copper wired tree label, per 100, 30 cts.; per 1,000, \$1.90.			

"HOLCO"

FRUIT-
PICKER

Each, 60c.



SPHAGNUM MOSS

We make a specialty of long, clean, selected sphagnum moss; florists will find the quality we furnish to be much better than the average.

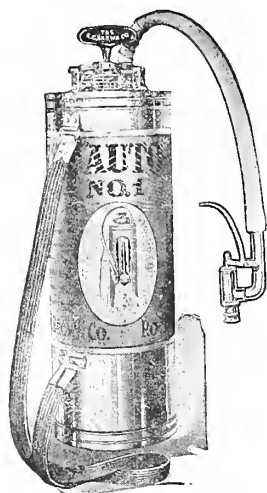
BURLAPPED BALES. Each, \$1.50; 5 bales for \$7.00; 10 bales at \$1.25 each. Size 40x15x18.

WIRED BALES. Square—each, \$1.25; 10 bales for \$10.00. Size of wired bales 40x16x20.

SHEET MOSS (Green). Freshly gathered, for Windows, Boxes, etc., per sack \$2.00.

RHODES' DOUBLE CUT
PRUNER

The most powerful Pruner made. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-in., \$3.50.



COMPRESSED AIR SPRAYER

This sprayer will spray potatoes, shrubbery, trees, etc., perfectly, and is tested with 50 lbs. pressure before leaving factory. All sprayers guaranteed.

Galvanized with nozzle, \$8.00.

Perfection No. 1, \$6.00.

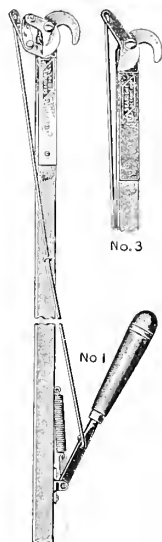
Universal, \$7.25.

Universal, \$9.85.

Brass with nozzle, \$10.

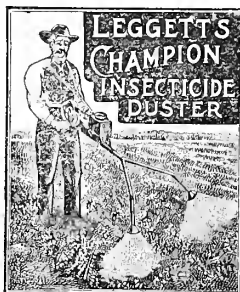
No. 1 Brass, \$9.00.

**Kill the bugs before the bugs
kill the plants**



COMPOUND LEVER PRUNER

The cutting head is made truss-shape, from strong high grade steel, the operating compound levers working between the two side plates. It is light in weight, compact in size, and unusually effective as to cutting qualities. Price, 10 foot pole, \$2.75.



GIANT GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season. Price \$9.50.

FERTILIZERS

Write for prices on larger quantities.

ASHES (Canadian Hard Wood). Apply 1,000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.00.

BONE AND PHOSPHATE. An ideal fertilizer for farm, lawn or garden crop. Apply at the rate of 400 to 600 lbs. per acre. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.00.

BONE MEAL. (Fine ground.) Apply 600 to 800 lbs. per acre. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.50, 100 lbs. \$3.50.

COW OR CATTLE MANURE. (Shredded.) A fine top dressing for lawns, gardens or in greenhouses. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25.

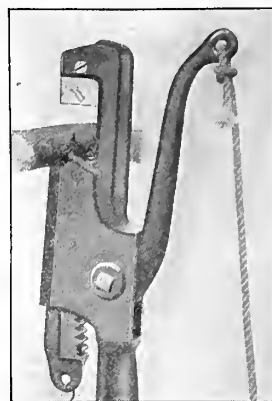
NITRATE OF SODA. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Use as a top dressing at the rate of 100 lbs. per acre on vegetables, when plants are well established. For home garden apply as a solution 1 oz. to two gallons of water. Price, 1 lb. 15 cts., 5 lbs. 65 cts., 10 lbs. \$1.10, 25 lbs. \$2.50, 50 lbs. \$4.50, 100 lbs. \$8.25. Write for price on larger quantities.

MURIATE OF POTASH. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Must be used with great care, is very powerful. Excellent for potatoes, corn, grains, etc. Analysis equal to 50 per cent actual potash. 1 lb. 20 cts.

DEXTER

The Dexter is a tool of 100 per cent. efficiency and is all that a pruner should be. It does the work with greater ease, economy and safety than any other pruner. Price, \$4.75 each.

Clyde ----- \$1.60

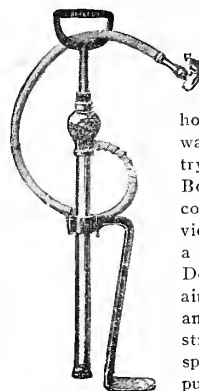


DEXTER PRUNER.

GRAFTING WAX

The best grade on the market.
1/4 lb. 15 cts., 1/2 lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.35.

"HOLCO" HAND BUCKET SPRAY PUMP



Most excellent for use in gardens, greenhouses, orchards, or whitewashing and spraying poultry houses. Fitted with Bordeaux nozzle, the best combination spraying device, can be changed from a solid stream to spray. Double action, has large air chamber which throws an absolutely continuous stream solid or in fine spray. One of the best pumps made for the money. Price, complete without bucket, \$5.50

All prices are subject to market changes

LIME (See Lawnlime).

PLANT FOOD—A concentrated chemical fertilizer; used in liquid form according to directions on the packages. In powder form dilute 12 oz. powder to 15 gals. water. 5 oz. can 25 cts., 12 oz. can 50 cts. postpaid.

SHEEP MANURE

Give the soil what it needs to make things grow. This is probably the most extensively used of animal manures by the market or home gardener. The analysis shows it to be a perfectly balanced plant food.

Pulverized sheep manure acts quickly and is invaluable for vegetables, flowers, lawns, shrubs and fruit and field crops. It can be used without fear of weeds. Apply 100 pounds per thousand square feet or 1000 lbs. per acre.

5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25. Write for prices on larger quantities.



LAWNLIME

The Grass and Garden Tonic.

Lawnlime will renovate old lawns and gardens, cure the acidity of the soil. Promotes growth, gives grass a rich green color. For renewing old gardens and lawns it is unequalled. Guaranteed not to burn the sod. Has a tendency to prevent the growth of weeds. Apply one ton per acre on fields, 1/2 ton on lawns; 50 lbs. will cover 200 square feet. 50 lb. sack 50 cts., 3 sacks \$1.00. Write for prices on larger quantities.

INSECTICIDES AND FUNGICIDES

Marked * can be sent by Parcel Post at purchaser's expense. Consult your local Postoffice for rates from Canton.

***ANT EXTERMINATOR.** Powder used for distributing around buildings, greenhouse benches, lawns, gardens, any other places infested by ants. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60c.

APHINE. For destroying aphids, green fly, thrip, red spider, other greenhouse and outdoor insects. $\frac{1}{4}$ pt. 35 cts., $\frac{1}{2}$ pt. 45 cts., pt. 70 cts., qt. \$1.10, gal. \$2.75.

ARSENATE OF LEAD. (Powdered). Extensively used. Is instantly soluble in water, a pound goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. to 2 lbs. dilutes 50 gals. of water. Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 25 lbs. \$12.50, 100 lbs. \$45.00.

BORDEAUX MIXTURE. (Powdered). Used principally for mildew, blight, fungus diseases that affect potatoes, fruit trees. 1 lb. 40 cts., 5 lb. pkg. (makes 30 gals.) \$1.75, 10 lb. pkg. (makes 50 gals.) \$2.75.

BORDEAUX-ARSENATE. (See Insecto).

"BLACK LEAF 40"

Nicotine Sulphate—40% Nicotine

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphids (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

PRICES:

1 oz.—\$0.25—makes 6 gallons spray
 $\frac{1}{2}$ lb.—0.75—" 40 to 120 gals. spray
 2 lb.—2.50—" 160 to 500 "
 10 lb.—10.75—" 800 to 2500 "



BOROWAX. A complete protection against tree borers. Use half to one pint to a tree according to size. Price, qt. 40 cts., $\frac{1}{2}$ gal. 75 cts., gal. can (boxed), \$1.25.

***BUG DEATH.** Largely used instead of Paris Green. Claimed to have same effect. Acts as a fertilizer as well as an insecticide; comes in powder form, is applied pure. Not poisonous to persons. Per lb. 20 cts., 3 lbs. 50 cts., 5 lbs. 75 cts., 12 $\frac{1}{2}$ lbs. \$1.50.

COPPER SOLUTION. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt. \$1.25; per gal. \$3.00.

***DUSTING SULPHUR.** Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb. 15 cts., 5 lbs. 50 cts.

***CUT WORM DESTROYER.** For killing cut worms, grubs and maggots that work in the soil. 1 lb. 50 cts., 5 lbs. \$1.25.

FORMALDEHYDE. A preventive of fungoid diseases as potato scab, smuts on oats, wheat, musty corn, damping off of seedlings, club root, etc. The dilution is 1 lb. (1 pint) to 15 or 20 gallons of water and 1 to 2 gallons of this dilution is required for the treatment of a bushel of seed. (40 volume %). 1 lb. bottle, 50 cts, 2 lbs. 90 cts., 5 lb. bottle \$2.25.

FUNGINE. Excellent remedy for fungous diseases of all kinds. $\frac{1}{4}$ pt. 25 cts., qt. \$1.00, gal. \$3.50.

***HELLEBORE.** Ideal material for destroying rose bugs, currant worms, other soft-shelled insects that infest the garden. Can be applied dry or in liquid form. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 65 cts.

NICO-FUME. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphids, white fly, and red spider, etc. Per $\frac{1}{4}$ lb. (about $\frac{1}{4}$ pt.) 50 cts., lb. (about 1 pt.) \$1.50, 4 lbs. (about $\frac{1}{2}$ gal.) \$5.50, 8 lbs. \$10.50.

INSECTO. (Powdered). This is a combination of Arsenate of Lead and Bordeaux Mixture, resembling Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1 lb. 40 cts., 5 lbs. \$1.75, 10 lbs. \$2.75, 25 lbs. \$6.00, 50 lbs. \$11.00.

KEROSENE EMULSION. Diluted in water this makes an excellent spray for all mild forms of scale, soft lice of any kind, such as infest rose and fruit bushes, vegetables and trees. Liquid dilutes 1 part to 20 parts of water. Liquid: qt. 60 cts., gal. \$1.25.

LIME SULPHUR. (Dry powder form). Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. Is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.00, 25 lbs. \$4.50, 100 lbs. \$15.00.

PARIS GREEN. The chief merit of this article is the destruction of the potato bug. May be used in liquid form, 1 lb. in 50 gals. of water, or with Land Plaster at the rate of 1 lb. Paris Green to 100 lbs. Land Plaster. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 65 cts.

PYROX. (Bowker's). A pasty substance used for all leaf-biting insects. Dilute 1 lb. to 5 gals. water. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.00.

***RAT CORN.** Sure death to rats and mice; not poisonous to other animals. 25c and 50c size cans.

SCALECIDE. The best spray for San Jose Scale, maple scale. It is not poisonous, mixes with cold water, and is ready to apply. 1 gallon to 20 gallons of water sprayed on trees and bushes will kill every scale that it reaches without injury to tree or fruit if applied in late fall or early spring while the foliage is off. Price, 1 qt. 60 cts., 1 gal. can \$1.40, 5 gal. can \$5.00, 10 gals. \$9.50.

***SLUG SHOT.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 1 lb. 20 cts., 5 lbs. 50 cts.

***SULPHO TOBACCO SOAP.** For plants, trees, etc. 3 oz. pkg. 10 cts., 8 oz. pkg. 20 cts.

***TOBACCO DUST.** The best of the Tobacco Dusts for dusting or fumigating. Lb. 10 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.35, 100 lbs. \$4.00.

TOBACCO STEMS. Used for fumigating and under benches in greenhouses. Bale of 100 lbs. \$2.00. Write for prices on larger lots.

***TREE TANGLEFOOT.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Lb. 50 cts., 3-lb. can \$1.45, 10-lb. can \$4.50.

***WHALE OR FISH-OIL SOAP.** For mild forms of scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. Good for washing off ferns, plants, lemon trees, oleanders and almost anything that would be infested with a soft-shelled or in fact almost any kind of insect. Dissolve in water according to directions. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50.

WORM ERADICATOR. When applied, the worms will immediately rise to the surface of the ground of flower bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. 35-ct bottle makes 5 gals., 60-ct bottle makes 10 gals.

WEED KILLER. The dilution is 1 to 50 parts of water, made so easily that a boy or child can attend to it. A gal. diluted, is sufficient to cover a space 100 to 150 sq. yds. Application is best made with a watering can to insure uniform distribution, the most advisable time being after a rain, which is when weeds start to sprout and grow. Single applications last almost an entire season. Full directions as regards quantities needed, are printed on each container. Qt. (makes 5 gals.) 60 cts., $\frac{1}{2}$ gal. (makes 25 $\frac{1}{2}$ gals.) \$1.00, gal. (makes 50 gals.) \$1.75.

D. M. Fulk, East Palestine, O.—"The tobacco stems have been received in good condition, fresh and strong. The best I have had for a long time."

Owing to the scarcity of chemicals, prices on Insecticides and Fungicides subject to change without notice.

Headquarters for Spraying Materials and Pumps.

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Plant "Holco" Seeds and Get Results

FROM _____

P. O. _____

STATE _____

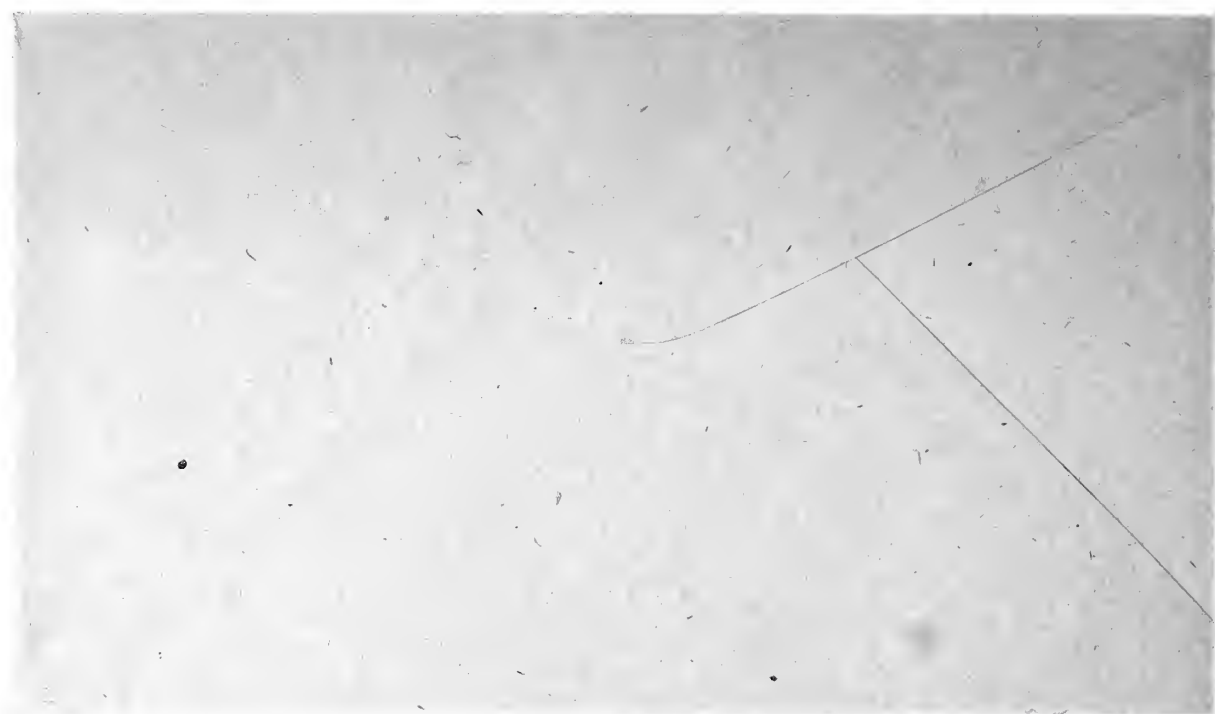
Place
Stamp
Here

The Holmes-Letherman Seed Co.

SEED GROWERS

Holco *Seeds*
QUALITY
Yield Better

CANTON, OHIO



AMERICAN GROWN FLOWER SEEDS

Until the outbreak of the war, Europe was recognized as the main source of supply of flower seeds, but under conditions existing, it renders it almost impossible to obtain seed from European countries for which they enjoyed a world-wide fame. We began the contracting of many varieties of flowers and the results obtained in the state of California, which is recognized "The Home of Flowers," has convinced us that Europe can never regain her prestige as the Flower Country.

"HOLCO" COVER FLOWER SEED COLLECTION FOR 25 CTS.

Eight Packets of Beautiful Flowers for 25 cts.

For 25 cts. we will mail one regular packet each of the following eight elegant Annuals. This assortment can be ordered as "Holco Cover Flower Seed Collection" for 25 cts. or five collections for \$1.00, postpaid.

Phlox,
Aster,
Gaillardia
Nasturtium

Drummondii
American Beauty
Mixed
Mixed

Petunia
Sweet Peas
Cosmos
Pansy

Giant Fringed
Spencer Mixed
Early Flowering
Giant Mixed

"Every Home It's Flower Garden"

SIX OF "HOLCO" GIANT AMERICAN ASTERS FOR 35 CTS.

We have made a special study of ASTERS, and included in this list the varieties which have been carefully tried and proven to be the best types.

We feel that there are many who are not familiar with the brilliant types of American Asters and to aid our customers we are offering this superb collection which will give excellent results. No garden, large or small, should be without these varieties.

American Beauty—Carmine Rose (identical with American Beauty Rose).

Semple's Pink—Large delicate shell-pink.

Royal Purple—Rich dark purple.

Lavender Gem—Delicate shade of lavender.

Peerless Pink—Delightful shade of rich pink.

Purity—Large double white flowers.

We will mail one packet each of the six superb American Asters for 35 cts. This collection surpasses any offer we have ever made of Giant Asters. With each collection we will enclose our leaflet on Aster Culture.

"HOLCO" BLEND OF RE-SELECTED SWEET PEAS.

Many of our customers now plant separate named varieties, yet there are many who like also to have a row of the finest mixed Spencers. We have made a careful study of selected blends. Our GIANT WAVED SPENCER SWEET PEAS have pleased the most critical planters.

Our aim is to improve wherever we can. New "Holco-Blend" is the finest and most gorgeous mixture ever offered, contains the cream of the very finest named Spencer varieties consisting of the latest novelties. "Holco-Blend" will please all who want a grand selection.

Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. 85 cts.

PHLX
DRUMMONDII

ASTER
AMERICAN
BEAUTY

GAILLARDIA
OR BLANKET
FLOWER

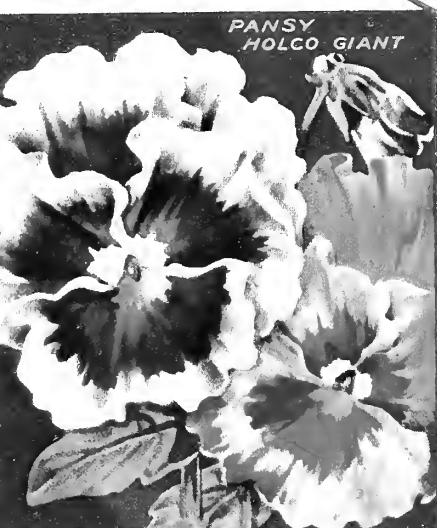


EARLY COSMOS



Holco
QUALITY
Seeds
YIELD BETTER

NASTURTIUMS



PANSY
HOLCO GIANT



SPENCER
SWEET
PEAS



GIANT FRINGED
PETUNIA

The
Holmes-Letherman
Seed Company
CANTON, OHIO